

roken up or...

? show files

File 15:ABI/Inform(R) 1971-2003/Nov 20

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File 9:Business & Industry(R) Jul/1994-2003/Nov 19

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File 275:Gale Group Computer DB(TM) 1983-2003/Nov 19

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File 621:Gale Group New Prod.Annou.(R) 1985-2003/Nov 20

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File 636:Gale Group Newsletter DB(TM) 1987-2003/Nov 19

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File 16:Gale Group PROMT(R) 1990-2003/Nov 19

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File 160:Gale Group PROMT(R) 1972-1989

(c) 1999 The Gale Group

File 148:Gale Group Trade & Industry DB 1976-2003/Nov 20

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Set	Items	Description
S1	101524	SMART()CARD? ? OR SMARTCARD? ?
S2	130121	(INTELLIGENT OR SMART) (3N) (CARD? OR PASS? OR DEVICE?) OR - SMARTPASS? OR (INTELLIGENT OR SMART) (3N) (MICROCHIP OR MICRO()- CHIP OR (IC OR INTEGRATED) ()CIRCUIT? OR CHIP) ()CARD? OR CHIPC- ARD
S3	25325	(PROGRAMMABLE) (3N) (UNIT OR DEVICE? OR TERMINAL? OR KIOSK? OR UNITS)
S4	16707	MONDEX OR (SMART OR ELECTRONIC?) (3N) (PURSE? ? OR WALLET?)
S5	256740	(SELECT? OR CHOOS? OR PICK?) (3N) (FUNCTIONS OR OPTIONS OR I- TEM OR ITEMS? OR ACTIVITIES OR TASKS OR SERVICES OR SERVICE OR ACTIVITY OR AMUSEMENT)
S6	300	(SELECTIV?) (3N) (ACTIVATION?)
S7	2409	(TIMER? OR TIMED) (3N) (EVENT OR MOVIE OR ACTIVITY OR SERVIC- E)
S8	66218	TIMER? ?
S9	129109	(MONEY OR CASH OR MONETARY) (3N) (WORTH OR AMOUNT)
S10	167901	(DECREAS? OR DEBIT? OR DEDUCT?) (3N) (PAYMENT? OR COST OR CO- STS OR MONEY OR MONIES OR CASH)
S11	8964696	COMPUTER? OR PC OR INTERNET OR WEBBASED OR WEB()BASED
S12	3762504	AUTHORI? OR APPROVE? OR APPROVAL?
S13	80013	PROGRAM? (3N) (UNIT OR UNITS OR DEVICE? OR TERMINAL? OR KIOS- K?)
S14	967780	TANNING OR SHOWER? OR HEAT?
S15	170	(S1 OR S2 OR S4) (S)S8
S16	0	T 15/3,K
S17	120	S15/1997:2003
S18	50	S15 NOT S17
S19	32	RD (unique items)
S20	1	S19 AND (S5 OR S6 OR S9 OR S10)
S21	0	S7(7N) (S5 OR S6) (7N) (S9 OR S10)
S22	3	S7(7N) (S5 OR S6)
S23	1	S11(7N) (S5 OR S6) (7N) (S9 OR S10)
S24	763	S8(7N)S14
S25	31	S19 NOT S20
S26	171	S14(7N) (S1 OR S2 OR S4)
S27	0	S26(S) (S9 OR S10)
S28	9303	WASHINGMACHINE? OR WASHING()MACHINE
S29	61704	WASHINGMACHINE OR WASHING()MACHINE? OR DRYER?
S30	42	S29(5N) (S1 OR S2 OR S4)
S31	29	RD (unique items)

S32
?

7 S31 NOT PY>1997

2/3,k/all

22/3,K/1 (Item 1 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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08600584 Supplier Number: 69413719 (USE FORMAT 7 FOR FULLTEXT)

Logic analyzer.

DeMeis, Rick

Design News, v55, n21, p163

Nov 6, 2000

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Refereed; Academic Trade

Word Count: 68

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...Features include compact size, transitional timing, eight sequence levels, pattern, edge and range triggering, counters, *timers*, *selective* storing, and *activity* indicators.

22/3,K/2 (Item 2 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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07708464 Supplier Number: 63791617 (USE FORMAT 7 FOR FULLTEXT)

Handheld Benchtop Logic Analyzer Has 72 Channels At 250 MHz. (Technology Information) (Brief Article)

Electronic Design, v48, n14, p157

July 10, 2000

Language: English Record Type: Fulltext

Article Type: Brief Article

Document Type: Magazine/Journal; Trade

Word Count: 182

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...be sampled at 500-MHz timing. Other features include transitional timing, eight sequence levels, counters, *timers*, *selective* storing, and *activity* indicators. The GoLogic72 even has an output for triggering a scope and software for viewing...

22/3,K/3 (Item 1 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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12478199 SUPPLIER NUMBER: 63791617 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Handheld Benchtop Logic Analyzer Has 72 Channels At 250 MHz. (Technology Information) (Brief Article)

Electronic Design, 48, 14, 157

July 10, 2000

DOCUMENT TYPE: Brief Article ISSN: 0013-4872 LANGUAGE: English

RECORD TYPE: Fulltext

WORD COUNT: 189 LINE COUNT: 00018

TEXT:

...be sampled at 500-MHz timing. Other features include transitional timing, eight sequence levels, counters, *timers*, *selective* storing, and *activity* indicators. The GoLogic72 even has an output for triggering a

23/3,k

23/3,K/1 (Item 1 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

14301826 SUPPLIER NUMBER: 82896241 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**The benefits of membership. (Association Briefs). (Michigan Association of
Certified Public Accountants) (Brief Article)**

Leaders' Edge, 5, 1, 12(1)

Jan-Feb, 2002

DOCUMENT TYPE: Brief Article LANGUAGE: English RECORD TYPE:

Fulltext

WORD COUNT: 137 LINE COUNT: 00015

... day delivery in the Upper Peninsula), with no minimum order
requirement.

* A 4 percent instant *cash* rebate *deducted* from every invoice.

* Easy ordering options, including *Internet* and custom order
forms.

* Huge product *selection* with excellent customer *service* backup.

* Unlimited express return program. Call Association Members Only
today for your free, no-obligation...

?

20/3,K/1 (Item 1 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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00872087 95-21479

Portables: The domino effect

Wickham, Rhonda L

Cellular Business vlln6 PP: 20-36 Jun 1994

ISSN: 0741-6520 JRNL CODE: CLB

WORD COUNT: 1845

...TEXT: The CT-700 features 109 memory locations, 10-number secured memory, dual NAM, five system *selection* *options* , alphanumeric nametagging, 5-number scratchpad, four call timers and credit-card quick dial.

The Micro...

... memory locations, 7-level call restriction, battery and signal level indicators, autonomous registration, 6-system *selection* *options*, dual NAMs, auto vacant memory storing, speed dialing and call mailbox.

HUGHES NETWORK SYSTEMS

Hughes... PT228 and the 232 feature signal and battery strength indicators, 98 alphanumeric memory locations, call *timers*, stacking memory scan, four ringing type options, dual antenna system and a low battery tone. The 2191 is the company's new digital addition. It features Nokia's patented *smart* *card* , as well as 125 memory locations and stacking memory (last 10 calls).

OMNI CELLULAR

The...
?

t 25/3,k/all

25/3,K/1 (Item 1 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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01309039 99-58435

VLSI Tech offers a new Vista for set-tops

Wirbel, Loring

Electronic Engineering Times n920 PP: 20 Sep 23, 1996

ISSN: 0192-1541 JRNL CODE: ELET

WORD COUNT: 998

...TEXT: logic chip that interfaces to the 703T controller, the VES0700, integrates infrared device control, two *SmartCard* ISO7816 interfaces, two UARTs, a parallel port and multiple *timer*/counters.

Paul Vroomen, vice president and general manager of VLSI's consumer electronics group, said...

25/3,K/2 (Item 1 from file: 9)
DIALOG(R)File 9:Business & Industry(R)
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1616333 Supplier Number: 01616333 (USE FORMAT 7 OR 9 FOR FULLTEXT)

VLSI Tech offers a new Vista for set-tops

(VLSI Technology Inc to introduce Vista, or VLSI Integrated Set-Top Architecture, digital video controller chipset.)

Electronic Engineering Times, n 920, p 20

September 23, 1996

DOCUMENT TYPE: Journal ISSN: 0192-1541 (United States)

LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 1000

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:

...logic chip that interfaces to the 703T controller, the VES0700, integrates infrared device control, two *SmartCard* ISO7816 interfaces, two UARTs, a parallel port and multiple *timer*/counters.

Paul Vroomen, vice president and general manager of VLSI's consumer electronics group, said...

25/3,K/3 (Item 2 from file: 9)
DIALOG(R)File 9:Business & Industry(R)
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1545644 Supplier Number: 01545644 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Motorola Samples DSTB Solution

(Motorola Semiconductor developed a system solution for the digital set-top-box market; European Multimedia Operation creates module MC92390 for digital cable, CATV markets)

Electronic Buyers News, p 12

July 01, 1996

DOCUMENT TYPE: Journal ISSN: 0164-6362 (United States)

LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 281

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:

...world.

Integrated on the MCF5206 will be a parallel port, I2C bus port, serial ports, *timers*, and general I/O. The device can interface to a printer, *smart* *card*, modem, front end, and MPEG-2 A/V decoders. Samples are expected in July. ...

25/3,K/4 (Item 1 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)

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02032953 SUPPLIER NUMBER: 19069316 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Chips: IAR Systems releases embedded toolset for Mitsubishi's new advanced 16-bit M16C microcontroller family. (Product Announcement)

EDGE: Work-Group Computing Report, v7, p53(1)

Dec 23, 1996

DOCUMENT TYPE: Product Announcement LANGUAGE: English

RECORD TYPE: Fulltext

WORD COUNT: 997 LINE COUNT: 00088

... circuit, 13 16-bit registers, CRC (Cyclic Redundancy Check) circuit, SIM (Subscriber Interface Module) for *smart* PC *card* interfacing, a large array of multi-function *timers*, full duplex two-channel UARTs, an on-chip multiplier and 1 Mbyte of space for...

25/3,K/5 (Item 2 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)

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02032927 SUPPLIER NUMBER: 19069290 (USE FORMAT 7 OR 9 FOR FULL TEXT)

CMX releases multi-tasking real-time OS for Mitsubishi's advanced, 16-bit, M16C microcontroller family; compact, flexible and robust operating system offers fast context switching and low interrupt latency times. (CMX ports CMX-RTX RTOS to Mitsubishi M16C microcontroller) (Product Announcement)

EDGE: Work-Group Computing Report, v7, p27(1)

Dec 23, 1996

DOCUMENT TYPE: Product Announcement LANGUAGE: English

RECORD TYPE: Fulltext

WORD COUNT: 1031 LINE COUNT: 00089

... circuit, 13 16-bit registers, CRC (Cyclic Redundancy Check) circuit, SIM (Subscriber Interface Module) for *smart* PC *card* interfacing, a large array of multi-function *timers*, full duplex two-channel UARTs, an on-chip multiplier and 1 Mbyte of space for...

25/3,K/6 (Item 3 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)

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01953351 SUPPLIER NUMBER: 18433172 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Motorola, Digi-Media Vision sign pact. (product development agreement to develop digital set-top box chips) (Company Business and Marketing)

MacLellan, Andrew
Electronic News (1991), v42, n2122, p58(1)
June 24, 1996
ISSN: 1061-6624 LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 573 LINE COUNT: 00049

... interface to the DSTB. The chip integrates a parallel port, I2C bus port, serial ports, *timers* and general I/O, enabling the device to interface to a printer, *smart* *card*, modem, front-end and MPEG-2 A/V decoder. Samples of the MCF5206 will be...

25/3,K/7 (Item 4 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01925231 SUPPLIER NUMBER: 18182294 (USE FORMAT 7 OR 9 FOR FULL TEXT)
PDAs: final piece of mobile puzzle; you'll carry both notebook and pocket device, analysts say. (Industry Trend or Event) (Brief Article)
Harvey, David A.
Computer Shopper, v16, n5, p73(1)
May, 1996
DOCUMENT TYPE: Brief Article ISSN: 0886-0556 LANGUAGE: English
RECORD TYPE: Fulltext
WORD COUNT: 468 LINE COUNT: 00039

... intelligent generation of handheld devices will win consumer acceptance.
"They'll be smart pagers and *smart* phones, not just *devices* on which to keep your Day-*Timer*," says Data-quest analyst Kimball Brown. These smarts, however, won't extend to notebook-level...

25/3,K/8 (Item 5 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01511727 SUPPLIER NUMBER: 12188109 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Implementing direct memory access (DMA) in C. (Tutorial)
Bradley, Don
C Users Journal, v10, n5, p53(18)
May, 1992
DOCUMENT TYPE: Tutorial ISSN: 0898-9788 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 3351 LINE COUNT: 00257

... region of memory.
Lab Master AD
The Lab Master AD is one of the first *smart* *cards* for data acquisition available for the IBM ISA or EISA bus computers. It is equipped ...

...input and eight digital-output channels, eight digital-expansion channels, and five 16-bit programmable *timer*/counters tied into a 4Mhz base frequency. This card has a 2048 word FIFO buffer...

25/3,K/9 (Item 6 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01437154 SUPPLIER NUMBER: 10905728 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Hitachi's H8/300 debuts in U.S. market: 8-bit microprocessor family offers high performance, large ROMs, low cost. (microprocessor) (includes related article on price and availability) (product announcement)

Thorson, Mark

Microprocessor Report, v5, n11, p10(3)

June 12, 1991

DOCUMENT TYPE: product announcement ISSN: 0899-9341 LANGUAGE:

ENGLISH RECORD TYPE: FULLTEXT

WORD COUNT: 1890 LINE COUNT: 00139

... concern in the harsh environment of automotive applications. It also lacks EEPROM (except in the "*smart* *card*" version), which places it at a disadvantage compared to Motorola's 68HC11 and TI's...

25/3,K/10 (Item 7 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)

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01255395 SUPPLIER NUMBER: 07036971 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Small computer system interface. (technical)

Perlmutter, Paul Q.

Hewlett-Packard Journal, v39, n5, p39(7)

Oct, 1988

DOCUMENT TYPE: technical ISSN: 0018-1153 LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 4092 LINE COUNT: 00316

... it could not recover from a driver error. In this situation we assume that the *device*'s controller is *smart* enough to retry the transaction itself.

Series 300 and Information Transfer. The controller chip provides...

25/3,K/11 (Item 1 from file: 621)

DIALOG(R)File 621:Gale Group New Prod.Annou.(R)

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01451938 Supplier Number: 46883419 (USE FORMAT 7 FOR FULLTEXT)

Toshiba Introduces Single-Chip Set-Top Box System IC With Industry's

Highest Level of Integration

PR Newswire, p1111LAM003

Nov 11, 1996

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 1440

... memory (SDRAM) and dynamic random access memory (DRAM) controllers and the necessary peripherals, such as *smart* *card* interface, DMA controller, *timer*, modem interface, VCXO interface, audio and video DAC interface, I2C interface, and P1394 interface.

The...

25/3,K/12 (Item 2 from file: 621)

DIALOG(R)File 621:Gale Group New Prod.Annou.(R)

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01430219 Supplier Number: 46729495 (USE FORMAT 7 FOR FULLTEXT)

VLSI Unveils VISTA Architecture - a Complete System-Level Silicon Solution for the Exploding Digital Set-Top Box Market; Company Delivers on Its Roadmap, Providing All Necessary Technologies, Devices and Software to Enable a Super-Integrated, Single-Chip Set-Top Box.

Business Wire, p09231038

Sept 23, 1996

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 1412

... peripheral controller integrates a number of peripheral functions, including UARTs, a parallel port, ISO 7816 *Smart* *Card* controller, *timers*, counters and an IR blaster.

The VES2020X and VES2030 integrate a programmable PID parsing engine

...

25/3,K/13 (Item 3 from file: 621)

DIALOG(R)File 621:Gale Group New Prod.Annou.(R)

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01398725 Supplier Number: 46496611 (USE FORMAT 7 FOR FULLTEXT)

LOW COST MINIATURE CONTROLLER FEATURES LCD DISPLAY

News Release, pN/A

June 27, 1996

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count: 455

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...and other devices. It can also act as a data concentrator by linking with other *intelligent* *devices* using built-in RS485 and RS232 interfaces and forwarding information to a host computer as...

...Power Supply) with smart battery charger and an isolated +24 VDC Power Supply. Dual watchdog *timers* and dual memory with error detection/correction provide added high reliability and fault tolerance. Unitec...

25/3,K/14 (Item 1 from file: 636)

DIALOG(R)File 636:Gale Group Newsletter DB(TM)

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03267577 Supplier Number: 46706332 (USE FORMAT 7 FOR FULLTEXT)

VLSI: VLSI introduces a set-top peripheral controller device

M2 Presswire, pN/A

Sept 13, 1996

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 687

... 2 transport subsystem and Motorola 68000-series microcontrollers. The device also features dual ISO-7816 '*SmartCard*' controllers to interface with bank cards or secure access cards. The VES0700 also integrates: two 16-bit counter-*timers*, an interrupt controller, IR (infrared) transmit and receive capability; two 8251-type UART (universal asynchronous...

25/3,K/15 (Item 2 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
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03204414 Supplier Number: 46568252 (USE FORMAT 7 FOR FULLTEXT)
MOTOROLA: Motorola provides system solutions for the digital set top box market
M2 Presswire, pN/A
July 24, 1996
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 1433

... outside world. Integrated on the MCF5206 is a parallel port, 12C bus port, serial ports, *timers* and general I/O. This allows the MCF5206 to be interfaced to printer, *smart* *card*, modem, front-end and MPEG2 A/V decoders. Samples of the MCF5206 are available in...

25/3,K/16 (Item 3 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
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02923820 Supplier Number: 45947345 (USE FORMAT 7 FOR FULLTEXT)
SATELLITE SOLUTIONS: There's no knocking the new Nokia!
M2 Presswire, pN/A
Nov 20, 1995
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 214

... with Astra and Eutelsat Hotbird TV and radio channels.
The SATI800 boasts an onboard Videocrypt *Smartcard* reader for Sky, TV Asia etc. and an industry first, Videoplus+ remote control with advanced PDC/VPS features that will automatically adjust VCR *timer* settings if a TV programme over runs or starts late.
Technical features include; 3 scarts...

25/3,K/17 (Item 4 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
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02490555 Supplier Number: 44999238 (USE FORMAT 7 FOR FULLTEXT)
ALBERICE METERS MOVES TO EXPAND
M2 Presswire, pN/A
Sept 19, 1994
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 195

Rental appliance card and coin operated *timers* manufacturer Alberice Meters has moved into larger premises and employed extra staff to accomodate increased...

...products. The Poole-based firm needs more space for a new range of coin, magnetic *card* and *smart* *card* meters they will launch early next year. The meters are sold into sports and leisure...

25/3,K/18 (Item 5 from file: 636)

DIALOG(R)File 636:Gale Group Newsletter DB(TM)
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01591514 Supplier Number: 42396412 (USE FORMAT 7 FOR FULLTEXT)

TCE/BBC REMOTE PROGRAMMER

Video Week, v12, n38, pN/A

Sept 30, 1991

Language: English Record Type: Fulltext

Document Type: Newsletter; Trade

Word Count: 552

... is extremely easy for subscribers to use. They aren't required to set VCR's *timer* -- or even its clock. Decoder in subscriber's home monitors all scrambled programs transmitted on...

...giving decoder schedule for subscription programs. When decoder registers match between transmitted program code and *smart* *card* that consumer has inserted in Selector box, it switches VCR on to record it. Once...

25/3,K/19 (Item 6 from file: 636)

DIALOG(R)File 636:Gale Group Newsletter DB(TM)

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01437358 Supplier Number: 41912722 (USE FORMAT 7 FOR FULLTEXT)

CUSTOM/SEMICUSTOM IC DEVELOPMENTS: Chip Set for Data Monitoring, Personal Comm Applications

Semiconductor Industry & Business Survey, v13, n3, pN/A

March 4, 1991

Language: English Record Type: Fulltext

Document Type: Newsletter; Trade

Word Count: 199

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...offering a chip set solution for use in pagers, headset radios, home security, remote controls, *smartcard*-based products, and the like. The three chips in the set are the SMC6235, a...

...low-speed clock, 4Kx12 ROM, 576Kx4 RAM, sound generator, LCD driver, analog comparator, and watchdog *timer*. The 8-lead EEPROM, capable of the industry standard rating of 10,000 erase/write...

25/3,K/20 (Item 1 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)

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04687481 Supplier Number: 46899570 (USE FORMAT 7 FOR FULLTEXT)

Toshiba Readies One-Chip Decoder

Electronic News (1991), p031

Nov 18, 1996

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count: 315

... and SDRAM and DRAM controllers.

The chip also features a bevy of peripheral interfaces for *Smart* *Cards*, direct memory access (DMA), modem, audio and video DAC and *timer*, among others. Available in sample quantities in 1Q97, with volume

production slated for 3Q97, the...

25/3,K/21 (Item 2 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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04421693 Supplier Number: 46487433 (USE FORMAT 7 FOR FULLTEXT)
Motorola, Digi-Media Vision Sign Pact
Electronic News (1991), p058
June 24, 1996
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 528

... interface to the DSTB. The chip integrates a parallel port, I2C bus port, serial ports, *timers* and general I/O, enabling the device to interface to a printer, *smart* *card*, modem, front-end and MPEG-2 A/V decoder. Samples of the MCF5206 will be...

25/3,K/22 (Item 3 from file: 16)
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04012986 Supplier Number: 45830459 (USE FORMAT 7 FOR FULLTEXT)
Report From The Battlefield
Network Computing, p62
Oct 1, 1995
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 1380

... evolving applications. PDAs will talk to us, and we won't like it. The Day-*Timer* folks will flourish, and *smart* *cards* will be much more interesting. Some things belong on paper and others don't!
TCP...

25/3,K/23 (Item 4 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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01543712 Supplier Number: 41886057 (USE FORMAT 7 FOR FULLTEXT)
Chip makers return to TAB
Electronic Engineering Times, p78
Feb 25, 1991
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 1300

... applications: watches, calculators, hearing aids, cameras, car radios, disk drivers, liquid-crystal displays, thermal printheads, *smart* (IC) *cards*, computers, *smart* keys, blood-pressure sensors, scalpels, munitions, digital thermometers, digital scales, *timers*, sonar, musical instruments, telephones and more.
LCDs accounted for the largest worldwide share of TAB...

25/3,K/24 (Item 5 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

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01331306 Supplier Number: 41568793
DigiCHANNEL Nu/Xi Supports A/UX 2.0
News Release, p1
Sept 25, 1990
Language: English Record Type: Abstract
Document Type: Magazine/Journal; Trade

ABSTRACT:

...is now available on the DigiCHANNEL Nu/Xi. The DigiCHANNEL Nu/Xi is the only *intelligent* multiport communication *card* available with A/UX 2.0 support. When teamed with A/UX 2.0, the...

...ports and \$1295 for eight ports. A complete diagnostic package that allows users to test *timers*, RAM and the UARTS of the board is available by request. DigiBoard products are connectivity...

25/3,K/25 (Item 6 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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01296019 Supplier Number: 41516469
ZILOG UNVEILS SMART ACCESS CONTROLLER FOR INTELLIGENT COMMUNICATIONS PROCESSING
News Release, p1
August 29, 1990
Language: English Record Type: Abstract
Document Type: Magazine/Journal; Trade

ABSTRACT:

...announced the Smart Access Controller (SAC), P/N Z80181. Designed for applications that require sophisticated *intelligent* communications processing, this *device* combines one channel of the industry standard SCC (Serial Communications Controller) P/N Z8530 with...

...parallel ports for I/O intensive applications and an additional 4 x 8-bit counter *timer* (CTC) P/N Z84C30. The highly integrated SAC is implemented in a 100-pin QFP...

...the Z180 including an advanced Z80 code compatible CPU with extra instructions, two 16-bit *timers*, and two UARTS with Baud Rate Generators. An on-chip Memory Management Unit (MMU) expands...

25/3,K/26 (Item 7 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2003 The Gale Group. All rts. reserv.

01230083 Supplier Number: 41422349 (USE FORMAT 7 FOR FULLTEXT)
8-bit MCUs go consumer: MOTO, ZILOG, PHILIPS JUMP IN
Electronic Engineering Times, p42
July 2, 1990
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 1311

... are beginning to emerge, tailored for applications like television receivers, pocket organizers, telephones and even *smart* *cards*. These MCUs offer system designers features like on-screen displays, which are now

becoming a staple of new TV sets. The MCUs also have on-chip 16-bit *timers*, serial ports, A/D and D/A converters phase-locked-loop circuitry and large amounts...

25/3,K/27 (Item 8 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2003 The Gale Group. All rts. reserv.

01183445 Supplier Number: 41353891
Motorola Announces Secure M68HC05 Microcontrollers for Smart Card Applications
News Release, p1
May 29, 1990
Language: English Record Type: Abstract
Document Type: Magazine/Journal; Trade

ABSTRACT:
...announced the MC68HC05SC23 (SC23) and the MC68HC05S24 (SC24), two 8-bit secure microcontrollers used in *smart* *card* applications. The SC23 and SC24 join a family of four other *smart* *card* microcontrollers. The first member of that family, the MC6805SC01 (SC01), is Motorola's most popular...

...ports plus an additional I/O port, a clock oscillator, a 15-bit free running *timer* and 3-bit watchdog counter, and power saving WAIT and STOP modes. The SC23 meets the International Standards Organization (ISO) 157816 standard for *smart* *card* applications. The SC23 will be available in Q2 1991. The SC24 is also based on...

...and power saving WAIT and STOP modes. The SC24 meets the ISO 157816 standard for *smart* *card* applications. The SC24 will be available in late 1990. Die for the SC23 and SC24...

25/3,K/28 (Item 1 from file: 160)
DIALOG(R)File 160:Gale Group PROMT(R)
(c) 1999 The Gale Group. All rts. reserv.

02458931
7200 CPU--MOTION CONTROL ON THE STD BUS
News Release December 1, 1989 p. 1

... introduced the 7200 Multifunction CPU card. The 7200 combines the functions of several STD Bus *cards* to provide *intelligent* data acquisition and process control on a single unit. It also includes STD BASIC II...

... a keypad interface, 24 TTL I/O lines, 32K RAM (up to 2MB addressable), watchdog *timer*, EEPROM programmer, and 3 memory sockets. Battery backup for system variables and real time clock...

25/3,K/29 (Item 2 from file: 160)
DIALOG(R)File 160:Gale Group PROMT(R)
(c) 1999 The Gale Group. All rts. reserv.

02285976
SIMTEK ANNOUNCES FAST NONVOLATILE 256K EEPROM
News Release June 5, 1989 p. 1

...write operation using internal address and data latches for 64 bytes

and an internal control *timer*. The EEPROMs operate from a single 5-Volt power supply and have TTL compatible I...

...data protection, and chip erase and chip program modes. Applications for the EEPROMs include security *cards*, *smart* *cards*, ID tags, solid state disks, remote data acquisition, robotics, numerous smart sensor and control applications...

25/3,K/30 (Item 3 from file: 160)
DIALOG(R)File 160:Gale Group PROMT(R)
(c) 1999 The Gale Group. All rts. reserv.

02157771

In Brief: Eaton Makes Bid to Buy A Majority Stake in IDT
Metalworking News March 27, 1989 p. 12
ISSN: 0891-4036

... Cutler-Hammer brand name. IDT's products are joined with host computers, programmable controllers and *intelligent* *devices* to control the functions of output equipment. Meanwhile, Tonville Pty (Melbourne, Victoria), a producer of controls and *timers* for the Australian appliance and auto sectors, was recently bought by Eaton. ...

25/3,K/31 (Item 1 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

09646866 SUPPLIER NUMBER: 17934224 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Smart cards: trained for security. (includes related articles) (Cover Story)
Gallant, John
EDN, v40, n24, p34(6)
Nov 23, 1995
DOCUMENT TYPE: Cover Story ISSN: 0012-7515 LANGUAGE: English
RECORD TYPE: Fulltext; Abstract
WORD COUNT: 2451 LINE COUNT: 00195

... delivered by the customer.

Security in wafer test

Motorola, which manufactured the first single-chip *smart*-*card* IC in 1979, also takes elaborate steps to provide security. For example, the company tries...

...the operation of the IC completely controlled by code in unalterable ROM, working closely with *smart*-*card* manufacturers to put PINS or even information such as your mother's maiden name in...

...assume an attempt at fraudulent access and prevent the chip from operating. Also, a watchdog *timer* detects program runaway and forces resumption of correct program flow.

A recently added Motorola security...

?

32/3,K/1 (Item 1 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2003 ProQuest Info&Learning. All rts. reserv.

01429582 00-80569

Get smart

Griswold, Robert S
Journal of Property Management v62n3 PP: 58-62 May/Jun 1997
ISSN: 0022-3905 JRNL CODE: JPM
WORD COUNT: 2091

...TEXT: discovered at Oakcrest from using IC processor smart-card technology:

The laundry room. Using the *smart* *card* to operate the washer and *dryer* means never again worrying about whether you have enough quarters to get the job done...

32/3,K/2 (Item 1 from file: 9)
DIALOG(R)File 9:Business & Industry(R)
(c) 2003 Resp. DB Svcs. All rts. reserv.

1596568 Supplier Number: 01596568

COIN-OPTIMIZED

(Raytheon Appliances introduced a line of microprocessor-controlled laundry machines, under the Speed Queen brand name)

Appliance, v 53, n 9, p 66

September 1996

DOCUMENT TYPE: Journal ISSN: 0003-6781 (United States)

LANGUAGE: English RECORD TYPE: Abstract

ABSTRACT:

...tumblers. The company also introduced the CardMaster System which enables the user to start a *washing* *machine* with a *smart* *card* instead of coins. ...

32/3,K/3 (Item 2 from file: 9)
DIALOG(R)File 9:Business & Industry(R)
(c) 2003 Resp. DB Svcs. All rts. reserv.

1573967 Supplier Number: 01573967 (USE FORMAT 7 OR 9 FOR FULLTEXT)

But Do They Make Whites Whiter?

(Schlumberger Danyl sees a growth market for debit cards to replace coin-operated laundry equipment)

Card Technology, p 10

July 1996

DOCUMENT TYPE: Journal (United States)

LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 678

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:

...Cutter says it cost \$30,000 to outfit the Dallas store, whose 60 washers and *dryers* now accept only *smart* *cards*. But Cutter figures the cost is more than offset by greatly reduced coin-handling and...

32/3,K/4 (Item 1 from file: 621)
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)
(c) 2003 The Gale Group. All rts. reserv.

01350770 Supplier Number: 46167294 (USE FORMAT 7 FOR FULLTEXT)
Coinless laundry makes quarters obsolete; Smartrac Card System really makes a change in laundry industry.
Business Wire, p02230122
Feb 23, 1996
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 480

... value. A specially designed unit installed in the coin receptacle area of the washer or *dryer* accepts the Smartrac(r) *smart* *card*. Instead of a change machine, the laundry has a VTM, or Value Transfer Machine, a...

32/3,K/5 (Item 1 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
(c) 2003 The Gale Group. All rts. reserv.

02815071 Supplier Number: 45709712 (USE FORMAT 7 FOR FULLTEXT)
60,000 SMART CARDS ARRIVE IN MICHIGAN
EFT Report, v18, n16, pN/A
August 2, 1995
Language: English Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 295

... to purchase goods with their smart card off -campus. On campus, photocopying, snack, beverage and *washing* *machines* will be equipped with *smart*-*card* capability.

Schlumberger-DANYL has produced more than 200 million smart cards over the last 10...

32/3,K/6 (Item 1 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2003 The Gale Group. All rts. reserv.

03713668 Supplier Number: 45261300
A new spin on laundry
Miami Herald (FL), pC1
Jan 12, 1995
Language: English Record Type: Abstract
Document Type: Newspaper; Trade

ABSTRACT:
Amerivend (Miami, FL) is using *card* readers and *smart* *cards* for its washers and *dryers* in South Florida to prevent coin box damage and theft. Each plastic Amerivend card contains...

32/3,K/7 (Item 1 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

03941142 SUPPLIER NUMBER: 09374914 (USE FORMAT 7 OR 9 FOR FULL TEXT)

How bad is GEC? (General Electric Company PLC) (company profile)

Foster, Anna

Management Today, p40(7)

Jan, 1989

CODEN: MANTA DOCUMENT TYPE: company profile

ISSN: 0025-1925

LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT

WORD COUNT: 5832 LINE COUNT: 00449

... dried up, and is now attempting to hold together an empire which makes everything from *washing* *machines* to *smart* *cards* and turbine generators -- an empire which many industry observers think should be broken up or...

?

show files
File 347:JAPIO Oct 1976-2003/Jul(Updated 031105)
(c) 2003 JPO & JAPIO
File 350:Derwent WPIX 1963-2003/UD,UM &UP=200374
(c) 2003 Thomson Derwent
File 371:French Patents 1961-2002/BOPI 200209
(c) 2002 INPI. All rts. reserv.
File 344:Chinese Patents Abs Aug 1985-2003/Apr
(c) 2003 European Patent Office
? ds

Set	Items	Description
S1	5231	SMART()CARD? ? OR SMARTCARD? ?
S2	6798	(INTELLIGENT OR SMART) (3N) (CARD? OR PASS? OR DEVICE?) OR - SMARTPASS? S (INTELLIGENT OR SMART) (3N) (MICROCHIP OR MICRO()C- HIP OR (IC OR INTEGRATED) ()CIRCUIT? OR CHIP) ()CARD? OR CHIPCA- RD
S3	8707	(PROGRAMMABLE) (3N) (UNIT OR DEVICE? OR TERMINAL? OR KIOSK? OR UNITS)
S4	512	MONDEX OR (SMART OR ELECTRONIC?) (3N) (PURSE? ? OR WALLET?)
S5	25278	(SELECT? OR CHOOS? OR PICK?) (3N) (FUNCTIONS OR OPTIONS OR I- TEM OR ITEMS? OR ACTIVITIES OR TASKS OR SERVICES OR SERVICE OR ACTIVITY OR AMUSEMENT)
S6	597	(SELECTIV?) (3N) (ACTIVATION?)
S7	430	(TIMER? OR TIMED) (3N) (EVENT OR MOVIE OR ACTIVITY OR SERVIC- E)
S8	96565	TIMER? ?
S9	6123	(MONEY OR CASH OR MONETARY) (3N) (WORTH OR AMOUNT)
S10	13824	(DECREAS? OR DEBIT? OR DEDUCT?) (3N) (PAYMENT? OR COST OR CO- STS OR MONEY OR MONIES OR CASH)
S11	776158	COMPUTER? OR PC OR INTERNET OR WEBBASED OR WEB()BASED
S12	25672	AUTHORI? OR APPROVE? OR APPROVAL?
S13	0	IC=G07F-19?
S14	1104	IC='G07F 19-00'
S15	9	S14 AND S8
S16	9	S15 NOT AD=<19961202
S17	0	(S1 OR S2 OR S4) (7N) (WASHING()MACHINE? OR DRYER?)
S18	51769	PROGRAM? (3N) (UNIT OR UNITS OR DEVICE? OR TERMINAL? OR KIOS- K?)
S19	291	(S1 OR S2 OR S18 OR S4) (4N)S8
S20	9519	(S19 OR MACHINE?) (5N) (TANNING OR SHOWER? OR HEATING?)
S21	656	MACHINE? (4N)S8
S22	17	(S19 OR S21) (5N) (TANNING OR SHOWER? OR HEAT?)
S23	12	S22 NOT AD>=19961202
S24	53	(S1 OR S2 OR S4) (5N) (TANNING OR SHOWER? OR HEAT? OR BATH? - OR SPA OR APPLIANCE?)
S25	0	S24 AND (S9 OR S10)
S26	2564133	TANNING OR SHOWER? OR HEAT?
S27	1649	S26 (4N)S8
S28	0	S27 AND (S1 OR S2 OR S4)
?		

13/7/1 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2003 Thomson Derwent. All rts. reserv.

011916661 **Image available**
WPI Acc No: 1998-333571/199829

**Selective activation unit for programmable device hardware-software
functions - has timer or automatic payment machine coupled to programming
device and reader operating with data carrier**

Patent Assignee: CLEWITS BEHEER BV R (CLEW-N); IPC GROUP BV (IPCI-N)

Inventor: *CLEWITS R*

Number of Countries: 080 Number of Patents: 009

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9825238	A1	19980611	WO 97NL660	A	19971202	199829 B
NL 1004658	C2	19980603	NL 961004658	A	19961202	199835
AU 9854167	A	19980629	AU 9854167	A	19971202	199845
EP 993663	A1	20000419	EP 97948007	A	19971202	200024
			WO 97NL660	A	19971202	
CN 1246192	A	20000301	CN 97180728	A	19971202	200029
JP 2001505335	W	20010417	WO 97NL660	A	19971202	200128
			JP 98525477	A	19971202	
EP 993663	B1	20020410	EP 97948007	A	19971202	200227
			WO 97NL660	A	19971202	
DE 69711940	E	20020516	DE 611940	A	19971202	200240
			EP 97948007	A	19971202	
			WO 97NL660	A	19971202	
ES 2175484	T3	20021116	EP 97948007	A	19971202	200302

Priority Applications (No Type Date): NL 961004658 A 19961202

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
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WO 9825238	A1 E	12	G07F-007/10	
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Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CU
CZ DE DK EE ES FI GB GE GH HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT
LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT
UA UG US UZ VN YU ZW

Designated States (Regional): AT BE CH DE DK EA ES FI FR GB GH GR IE IT
KE LS LU MC MW NL OA PT SD SE SZ UG ZW

NL 1004658	C2		G07F-007/00	
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AU 9854167	A			Based on patent WO 9825238
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EP 993663	A1 E		G07F-007/10	Based on patent WO 9825238
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Designated States (Regional): AT BE CH DE DK ES FI FR GB GR IE IT LI LU
MC NL PT SE

CN 1246192	A		G07F-007/10	
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JP 2001505335	W	19	G07F-017/18	Based on patent WO 9825238
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EP 993663	B1 E		G07F-007/10	Based on patent WO 9825238
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Designated States (Regional): AT BE CH DE DK ES FI FR GB GR IE IT LI LU
MC NL PT SE

DE 69711940	E		G07F-007/10	Based on patent EP 993663
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Based on patent WO 9825238

ES 2175484	T3		G07F-007/10	Based on patent EP 993663
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Abstract (Basic): WO 9825238 A

The programmable device has both programming and reading means and is an automatic payment machine. The programming device is a timer for e.g. a sun-tanning couch. The electronically readable information carrier comprises a programmable memory capable of containing a numerical value.

USE - Unit is for selectively activating one or more hardware or

16/7/1 (Item 1 from file: 347)
DIALOG(R)File 347:JAPIO
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07241159 **Image available**
AUTOMATIC DEALING DEVICE

PUB. NO.: 2002-109610 [JP 2002109610 A]
PUBLISHED: April 12, 2002 (20020412)
INVENTOR(s): SHIOYAMA ATSUKO
APPLICANT(s): OKI ELECTRIC IND CO LTD
APPL. NO.: 2000-294069 [JP 2000294069]
FILED: September 27, 2000 (20000927)

ABSTRACT

PROBLEM TO BE SOLVED: To provide a device capable of making a visually disabled person to conduct dealings, even if voice is not outputted from the earphone due to failures.

SOLUTION: In an automatic dealing device, provided with the earphone 11 and a speaker 12 outputting voice for dealing operation guidance to correspond to the visually disabled person, a *timer* (t) is provided in a main control part 13, instructions are given to the earphone 11 from the main control part 13, so as to output voice when the visually disabled person connects the earphone 11 with an earphone jack, the *timer* (t) starts counting time, and voice is outputted from the loud speaker 12, if the operation has not started, after a fixed period of time elapses.

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16/7/2 (Item 2 from file: 347)
DIALOG(R)File 347:JAPIO
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07240787 **Image available**
CARD FOR SETTLEMENT, CARD SYSTEM FOR SETTLEMENT, TERMINAL FOR SETTLEMENT, SETTLEMENT SYSTEM, AND SETTLING METHOD

PUB. NO.: 2002-109238 [JP 2002109238 A]
PUBLISHED: April 12, 2002 (20020412)
INVENTOR(s): KATO HIROYUKI
APPLICANT(s): NEC COMMUN SYST LTD
APPL. NO.: 2000-294417 [JP 2000294417]
FILED: September 27, 2000 (20000927)

ABSTRACT

PROBLEM TO BE SOLVED: To eliminate the danger that a password code is possibly viewed by others when inputted for settlement using a settlement card.

SOLUTION: The settlement card 1 comprises a number input function 11, a screen output function 12, a *timer* function 13, a anti-theft signal receiving device 14, a memory 15, a clear function 16, a number output circuit 17, and an external terminal 18. The number input function 11 inputs a password code from a ten-key 19 and stores it in the memory 15. The clear function 16 clears the password code in the memory 15 in case of a theft with a clear indication by a clear key 111 from the number input function 11, or a readout output of the password code in the memory 15 by the number output circuit 17 a certain time counted by the *timer* function

software functions of programmable device e.g. chip card. E.g. for use or shower, heating etc.

ADVANTAGE - Unit does not need configuration cards, which have to be specially manufactured for the end user, and uses an electronically readable information carrier which can activate any function of the programmable device while debiting the card account for the amount due.

Dwg.1/2

Derwent Class: S04; T05; X27

International Patent Class (Main): G07F-007/00; G07F-007/10; G07F-017/18

International Patent Class (Additional): G06K-019/00; G07F-007/08;

G07F-017/16; G07F-019/00

?

13 after the password code is registered and when the signal from the anti-theft signal receiving device 14 receiving a signal from an anti-theft device 2 is ceased.

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16/7/3 (Item 3 from file: 347)
DIALOG(R)File 347:JAPIO
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06736782 **Image available**
AUTOMATIC TRANSACTION DEVICE

PUB. NO.: 2000-322629 [JP 2000322629 A]
PUBLISHED: November 24, 2000 (20001124)
INVENTOR(s): SHIMIZU KOJI
APPLICANT(s): FUJITSU LTD
APPL. NO.: 11-132418 [JP 99132418]
FILED: May 13, 1999 (19990513)

ABSTRACT

PROBLEM TO BE SOLVED: To provide an automatic transaction device considering a user waiting his turn by issuing a message corresponding to client absent time within prescribed time to a client when it is decided the client absent time is within a prescribed time.

SOLUTION: The change of a client sensor 154 from ON to OFF is monitored and when it is changed from ON to OFF, time counting is started by starting a *timer*. After the start of time counting, it is monitored whether the client sensor 154 is turned on again and when the client sensor 154 changes from OFF to On, the *timer* is stopped. Then, it is decided whether the value of the *timer* is less than a specified value. When the value of the *timer* is less than the specified value, the new client of this time can be regarded as a client who has waited during the operation of the preceding client. In this case, the sentence of apology of 'sorry to have kept you waiting' for waiting is displayed and the words of the similar apology are outputted from a speaker 153 in voice.

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16/7/4 (Item 4 from file: 347)
DIALOG(R)File 347:JAPIO
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06729432 **Image available**
AUTOMATIC TELLER MACHINE

PUB. NO.: 2000-315274 [JP 2000315274 A]
PUBLISHED: November 14, 2000 (20001114)
INVENTOR(s): ARIMA YUKIKO
AWAZU KIYOTAKA
ODA AKIYOSHI
APPLICANT(s): FUJITSU LTD
APPL. NO.: 11-126054 [JP 99126054]
FILED: May 06, 1999 (19990506)

ABSTRACT

PROBLEM TO BE SOLVED: To provide an automatic teller machine which gives a visually handicapped person enough time to take in and out a medium such as

an ejected paper money or card and, furthermore, is useful in preventing theft of the medium as well.

SOLUTION: This automatic teller machine which ejects a medium such as a paper money from a casing 13-1 in accordance with operation of a client comprises a receiver 18-1 equipped with operation buttons and a medium ejection control part 11-1 that retakes a remaining medium into the casing 13-1 when the medium remains still after a specified time of a *timer* 11-3 elapses. The medium ejecting control part 11-1 has a time extending means 11-1a which extends a time necessary until the ejected medium is retaken in by the medium ejection control part 11-1 in accordance with operation of the operation buttons after the medium is ejected.

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16/7/5 (Item 5 from file: 347)
DIALOG(R)File 347:JAPIO
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06397453 **Image available**
AUTOMATIC CASH TRANSACTING DEVICE

PUB. NO.: 11-339105 [JP 11339105 A]
PUBLISHED: December 10, 1999 (19991210)
INVENTOR(s): NOSAKA SHIZUKA
NAKANO TAKEMASA
APPLICANT(s): HITACHI LTD
APPL. NO.: 10-148722 [JP 98148722]
FILED: May 29, 1998 (19980529)

ABSTRACT

PROBLEM TO BE SOLVED: To make the rumbling start time of buzzer or receiving voice guidance changeable for every transaction by setting the time value between after discharging a medium till rumbling of buzzer or receiving voice guidance with value of a variable area and setting *timer* value inputted from an operation panel to the variable area.

SOLUTION: When a confirmation key is depressed from a customer operating part 201, center transmission is executed and a transaction request telegraphic message is transmitted to a host computer 104 by using a host transmitting and receiving controlling part 206. The computer 104 checks the validity of a transaction request and transmits the result as a transaction answer telegraphic message to an ATM 102. When the ATM 102 receives the transaction answer telegraphic message from the computer 104 with center receiving, it decides whether buzzer rumbling start time is added to received data and sets received time data to a receiving *timer* when the decision is YES. When the decision is NO, the value of a set buzzer rumbling start time area is set to the receiving *timer*.

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16/7/6 (Item 6 from file: 347)
DIALOG(R)File 347:JAPIO
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06212632 **Image available**
CENTRALIZED EXCHANGE PROCESSING SYSTEM

PUB. NO.: 11-154192 [JP 11154192 A]

PUBLISHED: June 08, 1999 (19990608)
INVENTOR(s): SATO OSAMU
APPLICANT(s): OKI ELECTRIC IND CO LTD
APPL. NO.: 09-334948 [JP 97334948]
FILED: November 19, 1997 (19971119)

ABSTRACT

PROBLEM TO BE SOLVED: To speedily transmit exchange data to a centralized center while calling attention to a clerk through short *timer* setting when the exchange data of high urgency are inputted.

SOLUTION: When the clerk of a financial institute prepares the exchange data corresponding to a transfer request statement while using an input operating part 3, a monitor *timer* 11 is operated. When exchange data are left for fixed time without being transmitted, a warning means 12 issues an alarm. Thus, the exchange data are prevented from being left from transmission. Besides, when the exchange data are erroneously transmitted, number omission is requested by a transmission cancel operating means 14. Thus, at a centralized center 20, the number of the relevant data is omitted and the transmission to a host computer 30 is stopped. Thus, exchange data processing is surely performed for speedily excluding leaving from transmission or transmission error.

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16/7/7 (Item 7 from file: 347)
DIALOG(R)File 347:JAPIO
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05947947 **Image available**
MEDIUM HANDLING SYSTEM

PUB. NO.: 10-231047 [JP 10231047 A]
PUBLISHED: September 02, 1998 (19980902)
INVENTOR(s): YANAGISAWA TAKASHI
TANAKA YASUO
MATSUI YOSHIMITSU
APPLICANT(s): OKI FUAAMUEA SYST KK [000000] (A Japanese Company or Corporation), JP (Japan)
OKI ELECTRIC IND CO LTD [000029] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 09-036167 [JP 9736167]
FILED: February 20, 1997 (19970220)

ABSTRACT

PROBLEM TO BE SOLVED: To detect the generation of a medium clog early to inform by providing a second medium handling device with a medium mutual monitor *timer* started to measure time every time a sensor detects the passage of a medium and informing the unpassed state of the medium in case time elapsed from the start time exceeds the monitor time.

SOLUTION: Every time the passage of a medium is detected by a second sensor provided on the second medium handling device (moneychanger) 8 side, a medium mutual monitor *timer* 11 is started, and the generation of a medium clog is judged from time-out of the medium mutual monitor *timer* 11. At this time, complete processing can be executed only on the moneychanger 8 side without using sensor information on the money handling device side. The specified value is preset as the monitor time value to the medium mutual monitor *timer* 11, and the generation of time-out is specified on the basis of this monitor time value. The monitor time value is determined

on the basis of a medium charging cycle and an allowable condition of a medium clog condition.

16/7/8 (Item 8 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2003 JPO & JAPIO. All rts. reserv.

05448132 **Image available**
SYSTEM FOR MANAGING AUTOMATIC TELLER MACHINE GROUP

PUB. NO.: 09-062932 [JP 9062932 A]
PUBLISHED: March 07, 1997 (19970307)
INVENTOR(s): IZAWA YUJI
NAKAYA MITSURU
NAKAMURA YUTAKA
APPLICANT(s): OKI ELECTRIC IND CO LTD [000029] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 07-242431 [JP 95242431]
FILED: August 28, 1995 (19950828)

ABSTRACT

PROBLEM TO BE SOLVED: To automatically perform the detailed check of an automatic teller machine by using a medium replenishing and recovering machine at the time of managing the plural automatic teller machines.

SOLUTION: All the mediums housed in the automatic teller machines 1 are temporarily recovered by the medium replenishing and recovering machine 2 to perform the detailed check at this time. At the time of completing the detailed check, the medium replenishing and recovering machine 2 is replenished with a medium necessary for the operation of the automatic teller machine 1. This detailed check is automatically executed at a time set by a *timer* 42, at night, for example. Consequently, the detailed check is completed without any manual work and in the next morning, the automatic teller machine 1 is automatically started to start the transaction.

16/7/9 (Item 9 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2003 JPO & JAPIO. All rts. reserv.

04708448 **Image available**
CASH PROCESSING SYSTEM

PUB. NO.: 07-029048 [JP 7029048 A]
PUBLISHED: January 31, 1995 (19950131)
INVENTOR(s): HIGASHIURA MAKOTO
APPLICANT(s): TOSHIBA CORP [000307] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 05-153375 [JP 93153375]
FILED: June 24, 1993 (19930624)

ABSTRACT

PURPOSE: To effectively use funds by reading weight corresponding to present date and time from a management means when an operation starts, and updating the appropriate balance obtained by the weight which is read and the balance of reference and stored in the management means.

CONSTITUTION: When the operation of a system starts, a main control part 220 reads weight from a weight table 209C corresponding to the present date

and time which are read from a *timer* 216, judges respective transaction inclinations by transaction contents for respective automatic transaction machines, which are stored in a data storage part 209, and reads weight from the table 209C in accordance with the judged transaction inclinations. The main control part 220 multiplies a value obtained by adding '1' to a value adding weight which is read by the initial value of the appropriate number of the balances, calculates the appropriate number of the balances and updates the corresponding appropriate number of the balances in a balance number table 209a by the new and appropriate number of the balances, which is calculated. Thus, the appropriate balance for the cash processing machine can be changed by adjusting it to operation time, an installation place and time.
?

t 23/7/all

23/7/1 (Item 1 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2003 JPO & JAPIO. All rts. reserv.

05790146 **Image available**
HEATER ENERGIZING DEVICE FOR COMBUSTION MACHINE

PUB. NO.: 10-073246 [JP 10073246 A]
PUBLISHED: March 17, 1998 (19980317)
INVENTOR(s): OSAWA TAKESHI
KOBORI YASUHIRO
APPLICANT(s): SANYO ELECTRIC CO LTD [000188] (A Japanese Company or
Corporation), JP (Japan)
APPL. NO.: 08-231691 [JP 96231691]
FILED: September 02, 1996 (19960902)

ABSTRACT

PROBLEM TO BE SOLVED: To improve the safety property of an instrument by a method wherein a timer circuit is operated to interrupt the continuous energizing of a heater forcibly and prevent the overheating or melting of a burner unit surely even when a microcomputer runs away due to some cause and becomes impossible to control.

SOLUTION: A heater energizing device for a combustion machine is provided with an evaporator 2, attached to a heater 3 for preheating, a burner thermistor 14, detecting the temperature of the evaporator 2, a microcomputer 4, controlling the temperature of the heater 3 based on the detecting temperature of the burner thermistor 14, and a switch circuit 17, controlling the energizing of the heater 3 based on a command from the microcomputer 4. Further, the *heater* energizing device for a combustion *machine* is provided with a *timer* circuit 8, having a timer operating time, shorter than the continuous energizing permitting time of the heater 3 and putting the switch circuit 17 OFF by the timer operating output 16 of the same.

23/7/2 (Item 2 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2003 JPO & JAPIO. All rts. reserv.

05523191 **Image available**
AIR CONDITIONING EQUIPMENT

PUB. NO.: 09-137991 [JP 9137991 A]
PUBLISHED: May 27, 1997 (19970527)
INVENTOR(s): EGUCHI TETSUSHI
SHOGETSU TAKASHI
APPLICANT(s): SANYO ELECTRIC CO LTD [000188] (A Japanese Company or
Corporation), JP (Japan)
APPL. NO.: 07-294519 [JP 95294519]
FILED: November 13, 1995 (19951113)

ABSTRACT

PROBLEM TO BE SOLVED: To carry out discrete *timer*-operations of an indoor *machine* and a mat for floor *heating* and thereby to conduct comfortable operations by providing a first timer means which controls the start and stop of the operation of the indoor machine and a second timer means which functions independently of the first timer means and controls the start and stop of the mat for floor heating.

SOLUTION: An indoor machine 100 has a heat exchanger 101 for heating which heats indoor air and a heat exchanger 102 for cooling. Air conditioning equipment 104 has a mat 103 for floor heating through which a heating medium flows, a first timer means 105 which switches over operation modes by controlling a refrigerant flowing through the heat exchanger 102 and the heating medium flowing through the heat exchanger 101 and the mat 103 and also controls the start of the operation of the indoor machine and the operation mode thereof and a second timer means 106 which controls the start and stop of the operation of the mat 103. This second timer means 106 is so contrived as to function independently of the first timer means (i.e., to function even in parallel with the operation of the indoor machine controlled by the first timer

23/7/3 (Item 3 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2003 JPO & JAPIO. All rts. reserv.

04180700 **Image available**
TIMER DEVICE FOR *HEATING* *MACHINE*

PUB. NO.: 05-172400 [JP 5172400 A]
PUBLISHED: July 09, 1993 (19930709)
INVENTOR(s): NAKAI TAKASHI
TAKATANI MASAHIRO
INOUE HARUO
MIZUTA TSUGUHISA
APPLICANT(s): NORITZ CORP [350978] (A Japanese Company or Corporation), JP
(Japan)
APPL. NO.: 03-357193 [JP 91357193]
FILED: December 24, 1991 (19911224)

ABSTRACT

PURPOSE: To warm inside of a room safely during a time until a bedtime after a 'good-morning'-timer is turned ON in a *timer* device for a *heating* *machine*.

CONSTITUTION: A heating machine has a combustion room 2 for normal heating using petroleum, etc., as fuel, an electric heater 10 for weak heating and an air blower 4 for inducing hot air, and a timer device has a good-night timer 11 and a 'good-morning'-timer 12. When the 'good-morning'-timer 12 is turned ON, the combustion of the combustion room 2 is stopped while the electric heater 10 is operated for a fixed time and the air blower 4 is operated at low speed when the 'good-night'-timer 11 is turned ON

23/7/4 (Item 4 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2003 JPO & JAPIO. All rts. reserv.

00267465
APPARATUS FOR RADIATING *HEAT* OF ELECTRONIC *TIMER* IN ELECTRIC WASHING
MACHINE

PUB. NO.: 53-069465 [JP 53069465 A]
PUBLISHED: June 20, 1978 (19780620)
INVENTOR(s): HIDA HIDEYUKI
APPLICANT(s): HITACHI LTD [000510] (A Japanese Company or Corporation), JP
(Japan)
APPL. NO.: 51-143425 [JP 76143425]

FILED: December 01, 1976 (19761201)

ABSTRACT

PURPOSE: To prevent heat generator of heat element and extend life thereof by means of a flame-prevention plate non-combustible and highly conductive mounted to a boss between a panel base and base board put together with a radiation fin and end.

23/7/5 (Item 5 from file: 347)

DIALOG(R)File 347:JAPIO

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00266559

HEAT RADIATION DEVICE FOR ELECTRONIC *TIMER* OF ELECTRIC WASHING
MACHINE

PUB. NO.: 53-068559 [JP 53068559 A]

PUBLISHED: June 19, 1978 (19780619)

INVENTOR(s): HIDA HIDEYUKI
OMORI YOSHIKI
YOKOO SHOZO

APPLICANT(s): HITACHI LTD [000510] (A Japanese Company or Corporation), JP
(Japan)

APPL. NO.: 51-143362 [JP 76143362]

FILED: December 01, 1976 (19761201)

ABSTRACT

PURPOSE: To avoid heat generation for the element which controls a motor, by providing a heat radiating material in addition to a heat radiation fin.

23/7/6 (Item 6 from file: 347)

DIALOG(R)File 347:JAPIO

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00216038

METHOD OF CONTROLLING *HEATING* POWER SWITCHING IN KITCHEN ELECTRIC
MACHINE WITH *TIMER* AND DEVICE FOR EXECUTING SAME

PUB. NO.: 53-018038 [JP 53018038 A]

PUBLISHED: February 18, 1978 (19780218)

INVENTOR(s): IBU ARUBEERU DANIERU TEIBOO
KUROODO ERUBE

APPLICANT(s): PHILIPS GLOEILAMPENFAB NV [000982] (A Non-Japanese Company or
Corporation), NL (Netherlands)

APPL. NO.: 52-090521 [JP 7790521]

FILED: July 29, 1977 (19770729)

PRIORITY: 7623357 [FR 7623357], FR (France), July 30, 1976 (19760730)

23/7/7 (Item 1 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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012104868 **Image available**

WPI Acc No: 1998-521780/199845

Automatic popcorn machine for concession industry - has timer controlled
oil heating and extraction from tank for contact with vacuum pumped
predetermined quantity of raw corn and salt mixture, popped and deposited
within heated chamber

Patent Assignee: SIX CORNERS DEV CO (SIXC-N)
Inventor: DESANTIS J A; STEIN A M
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
CA 2168137	C	19980804	CA 2018922	A	19900613	199845 B
			CA 2168137	A	19960809	

Priority Applications (No Type Date): US 89365406 A 19890613

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
CA 2168137	C	27	A47J-037/00		Div ex application CA 2018922

Abstract (Basic): CA 2168137 C

The machine (10) has an oil supply tank (42), where the oil is heated to the desired temperature by a thermostat controlled electric element, and then pumped via a submersible pump at the base of the tank, to a kettle. A raw corn supply (40) also housing salt has a predetermined amount of corn extracted via a vacuum pump (52) through a conduit (50) to a dispensing chamber (54), supplying the kettle.

The raw corn makes contact with the hot oil, where the oil temperature is monitored by thermostat (65), as it enters the kettle to a pivotally mounted compartment (56), which empties into a larger warm temperature maintained storage compartment (20) awaiting delivery to customer. The *machine* is controlled by a *timer* ensuring that the kettle is *heated* prior to the introduction of oil, corn and salt and is emptied after all the corn is popped.

ADVANTAGE - Number of precisely timed sequencing steps and intricate moving parts are reduced, making it less susceptible to breakdown and malfunction. The machine is also more energy efficient than existing models.

Dwg.1, 2/6

Derwent Class: P28; X25

International Patent Class (Main): A47J-037/00

23/7/8 (Item 2 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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011461127 **Image available**

WPI Acc No: 1997-439034/199741

Appliance with *timer* e.g. *heating* *machine* - has interruption unit to interrupt timer operation until operation time zone of slowest timer is passed when operation time zones of two timers are overlapped

Patent Assignee: RINNAI CORP (RINN)

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 9197065	A	19970731	JP 964369	A	19960112	199741 B
JP 3333374	B2	20021015	JP 964369	A	19960112	200275

Priority Applications (No Type Date): JP 964369 A 19960112

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 9197065	A	12	G04C-023/18		
JP 3333374	B2	11	G04G-015/00		Previous Publ. patent JP 9197065

Abstract (Basic): JP 9197065 A

The appliance has a set of timers (6,7). A start-up time and a stop time is established for each timer. The time between the start-up and

show files

File 256:SoftBase:Reviews,Companies&Prods. 82-2003/Oct
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Set	Items	Description
S1	375	SMART()CARD? ? OR SMARTCARD? ?
S2	506	(INTELLIGENT OR SMART) (3N) (CARD? OR PASS? OR DEVICE?) OR - SMARTPASS? S (INTELLIGENT OR SMART) (3N) (MICROCHIP OR MICRO()C- HIP OR (IC OR INTEGRATED) ()CIRCUIT? OR CHIP) ()CARD? OR CHIPCA- RD
S3	64	(PROGRAMMABLE) (3N) (UNIT OR DEVICE? OR TERMINAL? OR KIOSK? OR UNITS)
S4	32	MONDEX OR (SMART OR ELECTRONIC?) (3N) (PURSE? ? OR WALLET?)
S5	770	(SELECT? OR CHOOS? OR PICK?) (3N) (FUNCTIONS OR OPTIONS OR I- TEM OR ITEMS? OR ACTIVITIES OR TASKS OR SERVICES OR SERVICE OR ACTIVITY OR AMUSEMENT)
S6	2	(SELECTIVE?) (3N) (ACTIVATION?)
S7	3	(TIMER? OR TIMED) (3N) (EVENT OR MOVIE OR ACTIVITY OR SERVIC- E)
S8	190	TIMER? ?
S9	101	(MONEY OR CASH OR MONETARY) (3N) (WORTH OR AMOUNT)
S10	82	(DECREAS? OR DEDUCT?) (3N) (PAYMENT OR COST OR COSTS)
S11	11297	(MODIFY? OR MODIFICAT? OR CHANGE?)
S12	0	(S1 OR S2 OR S4) AND S8
S13	0	(S1 OR S2 OR S4) AND TIMED
S14	3	(S1 OR S2 OR S4) AND S3
S15	0	S5 AND (S1 OR S2 OR S4) AND S3
S16	44323	PC OR COMPUTER? ?
S17	29944	INTERNET OR WEBBASED
S18	0	(S16 OR S17) AND (S9 OR S10) AND S5 AND (S1 OR S2)
?		

stop time is the operation time zone of that timer.

The timers are operated in their respective time zones using operating units. When the operation time zones of two timers are overlapped, an interruption unit (12) continues the operation in one operation time zone and interrupts the timer operation until the operation time zone of the slowest timer is passed.

ADVANTAGE - Prevents restart of appliance in undesired time zone.

Dwg.1/11

Derwent Class: S04; T06; X25; X27

International Patent Class (Main): G04C-023/18; G04G-015/00

International Patent Class (Additional): G05B-019/02; G05B-019/05

23/7/9 (Item 3 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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011460556 **Image available**

WPI Acc No: 1997-438463/199741

Home air conditioner - has switching key in remote control to operate air conditioner, floor *heating* *machine* and to switch *timer* modes of operations which are individually displayed on liquid crystal display device

Patent Assignee: SANYO ELECTRIC CO LTD (SAOL)

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 9196441	A	19970731	JP 9610325	A	19960124	199741 B
JP 3081521	B2	20000828	JP 9610325	A	19960124	200044

Priority Applications (No Type Date): JP 9610325 A 19960124

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 9196441	A		10	F24F-011/02	
JP 3081521	B2		9	F24F-011/02	Previous Publ. patent JP 9196441

Abstract (Basic): JP 9196441 A

The air conditioner (1) has a heat exchanger (7) which supplies air with changed heat to a room, in which a floor heating machine (41) is provided. A remote control (5) comprises of a liquid crystal display device, a switching key, and a set key, stops the driving of the air conditioner or the floor heating machine at a time set by operating a set key.

The set state of the set key is displayed on the liquid crystal display device. The air conditioner, the floor heating machine, the cancellation of stopping, and the timer modes of operations are operated through a switching key. Each mode is displayed on the liquid crystal display device.

ADVANTAGE - Easily performs timer drive time setting of air conditioner and setting of floor heating machine. Reduces number of parts by providing mode switching in single switching key. Easily sets operation of timer drive due to liquid crystal display device, switching key, and set key provided in remote control.

Dwg.1/6

Derwent Class: Q74; X27

International Patent Class (Main): F24F-011/02

23/7/10 (Item 4 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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007573698

WPI Acc No: 1988-207630/198830

***Heater* element programmable *timer* e.g. for packing *machine* -**

NoAbstract

Patent Assignee: TAE TEL AUTOMAZIONE (TAET-N)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
IT 1143256	B	19861022				198830 B

Priority Applications (No Type Date): IT 8167010 A 19810108

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
IT 1143256	B		10		

Derwent Class: T06; X25

International Patent Class (Additional): G05G-000/00

23/7/11 (Item 5 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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007389479 **Image available**

WPI Acc No: 1988-023414/198804

Washing *machine* *heater* *timer* - with timing gear engaging one end of angled lever activating heater switch at its other end

Patent Assignee: CANDY ELETTRODOMESTICI SPA (CNDY)

Inventor: FUMAGALLI N

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
FR 2599059	A	19871127	FR 877092	A	19870520	198804 B

Priority Applications (No Type Date): IT 86UU21925 U 19860521

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
FR 2599059	A		11		

Abstract (Basic): FR 2599059 A

A timer controlling the temp. of a washing machine has a timing gear, a movement connecting the gear to a fast can in a programmer, a spring biasing the gear, an angled lever engaging the teeth of the gear at one end, a heating switch activated by the other end of the lever, a notched disc between two of the programmer cans disengaging the lever from the gear, and a finger allowing the gear to be turned.

ADVANTAGE - The timer emulates a thermostat and allows different temps. to be selected.

1/5

Derwent Class: F07; P28; S04; V03; X27

International Patent Class (Additional): A47L-015/42; D06F-033/06

23/7/12 (Item 6 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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004751136

WPI Acc No: 1986-254477/198639

Stem manufacturing device - has *heater* mounted on stem *machine* spider power adjusted by *timer* NoAbstract Dwg 1/1

Patent Assignee: HITACHI LTD (HITA)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 61181032	A	19860813	JP 8519933	A	19850206	198639 B

Priority Applications (No Type Date): JP 8519933 A 19850206

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 61181032	A		13		

Derwent Class: X26

International Patent Class (Additional): H01J-009/32

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14/3,K/1

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.
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01791709 DOCUMENT TYPE: Product

PRODUCT NAME: MASS AutoSave (791709)

MDT Software (513997)
2520 NorthWinds Pkwy #100
Alpharetta, GA 30004 United States
TELEPHONE: (678) 297-1000

RECORD TYPE: Directory

CONTACT: Sales Department

REVISION DATE: 20000704

...s MASS (TM) AutoSave (TM) provides specialty server support that increases the efficiencies of select *programmable* *devices*. MASS AutoSave is a real-time interactive change management, *programmable* *device* support system that provides full documentation, audit trails, security, uploads, downloads, compares, and archiving. MASS...
...manage programming changes automatically with the most advanced technology available. MASS AutoSave communicates directly with *programmable* *devices* via servers. The server modules can be accessed from client PCs without device-specific client...

...just about all brands and types of PLCs, robots, human machine interfaces (HMIs), and other *intelligent* *devices* from Allen-Bradley, Modicon, Siemens, Square D, GE Fanuc, and other companies. Among the most ...

14/3,K/2

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.
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00125460 DOCUMENT TYPE: Review

PRODUCT NAMES: Optical Networks (842851); Molecular Computing (843229);
DNA Computing (842303)

TITLE: Frontiers: There are spectacular possibilities...

AUTHOR: Machrone, Bill

SOURCE: PC Magazine, v19 n15 p159(3) Sep 1, 2000

ISSN: 0888-8509

HOME PAGE: <http://www.pcmag.com>

RECORD TYPE: Review

REVIEW TYPE: Product Analysis

GRADE: Product Analysis, No Rating

REVISION DATE: 20001230

...form of signal processing and amplification of fiber-optic signals, real optical computing will need *programmable* logic *devices* (PLDs) along with silicon logic and I/O devices. With molecular computing, heat generation and...

...will have the most profound effects on our daily lives. Miniaturization is already seen in *smart* *cards* and in Bluetooth technology, but most of the devices we see today will be huge...

14/3,K/3

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.
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00100274 DOCUMENT TYPE: Review

PRODUCT NAMES: MASS (404705); ControlGuardian (527769); SecurWorx
(657221)

TITLE: It's Time for Change Management Software

AUTHOR: Weil, Marty

SOURCE: Control, v10 n1 p53(4) Jan 1997

ISSN: 1049-5541

HOME PAGE: <http://www.controlmagazine.com>

RECORD TYPE: Review

REVIEW TYPE: Product Analysis

GRADE: Product Analysis, No Rating

REVISION DATE: 20020930

MDT's MASS, Rockwell's ControlGuardian, and Taylor Industrial Software's SecurWorx are *programmable* *device* support (PDS) packages that manage and guard the control logic and device applications used by...

...the previous code quickly. PDS users feel they need a common user interface for all *intelligent* *devices* in a manufacturing plant, and they also desperately need instantaneous access to program libraries through...

?

16/3,K/1 (Item 1 from file: 2)
DIALOG(R)File 2:INSPEC
(c) 2003 Institution of Electrical Engineers. All rts. reserv.

4670771 INSPEC Abstract Number: B9406-1265B-129, C9406-5210B-069

Title: The PLD/FPGA pilot

Author(s): Schuster, A.E.

Journal: Elektronik vol.43, no.4 p.46-7, 50-2

Publication Date: 22 Feb. 1994 Country of Publication: West Germany

CODEN: EKRKAR ISSN: 0013-5658

Language: German

Subfile: B C

Abstract: With currently .26 families of *programmable* logic *devices* (PLDs and FPGAs), each comprising many different types of component, the selection of the most...

... determined selection criteria are used to produce a list of suitable components, and the optimal *device* is sought using *intelligent* *selection* algorithms. Menu *options* include display of descriptive information and data for the selected components, and rapid comparison of

...

Identifiers: *programmable* logic *devices*;

16/3,K/2 (Item 2 from file: 2)
DIALOG(R)File 2:INSPEC
(c) 2003 Institution of Electrical Engineers. All rts. reserv.

03552331 INSPEC Abstract Number: D90000620

Title: CCTV: recording in a new age

Author(s): Pappageorge, T.S.

Author Affiliation: Gyr Div. of Odetics, Anaheim, CA, USA

Journal: Security Management vol.33, no.11 p.79-80, 84

Publication Date: Nov. 1989 Country of Publication: USA

CODEN: SECME6 ISSN: 0145-9406

Language: English

Subfile: D

...Abstract: television (CCTV) tool that records on tape what the camera sees. It is now an *intelligent*, *programmable* electronic *device* that can communicate with electronic cash registers (ECRs), automatic teller machines (ATMs), and other digital devices. The recorder gathers data from such devices, reads the information, *selects* *items* of interest to the user, and overlays the resulting text onto the picture taken by...

...Identifiers: *programmable* electronic *device*;

16/3,K/3 (Item 1 from file: 99)
DIALOG(R)File 99:Wilson Appl. Sci & Tech Abs
(c) 2003 The HW Wilson Co. All rts. reserv.

2318663 H.W. WILSON RECORD NUMBER: BAST01045609

Evolution: RTUs and PLCs

Hartman, Wayne;

Electrical World v. 215 no3 (May/June 2001) p. 72

DOCUMENT TYPE: Feature Article ISSN: 0013-4457

...ABSTRACT: the electromechanical relays of the early 1900s to the introduction of remote terminal units (RTUs), *intelligent* electronic

devices (IEDs), logic communications processors (LCPs), and finally programmable logic controllers (PLCs). Today, utility engineers mix...

...The capabilities of these devices are beginning to blend. This integration will lead to a *decrease* in *costs* and a reduction in the work required to automate a power station.

DESCRIPTORS: ...*Programmable* logic *devices*--;
?

19/3,K/1 (Item 1 from file: 583)
DIALOG(R)File 583:Gale Group Globalbase(TM)
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03566432
SAMSUNG SEMICONDUCTORPLANDS WORLD GROWTH
US - SAMSUNG SEMICONDUCTORPLANDS WORLD GROWTH
Electronic Business (ECB) 25 June 1990 p34-38
ISSN: 0163-6197

... a design and pilot production plant in the US. The plant makes Class 1 CMOS *devices*, including smart power *devices*, analogue/digital converters, *programmable* logic *devices*, ASIC memory and microprocessor peripherals. Article looks at Samsung Semiconductor's strategy at greater length.

19/3,K/2 (Item 1 from file: 2)
DIALOG(R)File 2:INSPEC
(c) 2003 Institution of Electrical Engineers. All rts. reserv.

04400031 INSPEC Abstract Number: B9306-7520E-008, C9306-3385C-005
Title: An *intelligent* *cardio*-synchronous myostimulator
Author(s): Canfell, K.; Lu, B.; Fitzgerald, T.
Author Affiliation: Teletronics Pacing Syst., Englewood, CO, USA
Conference Title: IEE Colloquium on 'Intelligent Cardiac Implants'
(Digest No.022) p.4/1-2
Publisher: IEE, London, UK
Publication Date: 1993 Country of Publication: UK 26 pp.
Conference Sponsor: IEE
Conference Date: 29 Jan. 1993 Conference Location: London, UK
Language: English
Subfile: B C

Title: An *intelligent* *cardio*-synchronous myostimulator
...Abstract: pacing is provided. The delay time from the sensed QRS-complex or pacing pulse is *programmable*. The *device* is capable of a range of heart beat to myostimulation burst ratios, from 1:1...
...Identifiers: *intelligent* *cardio*-synchronous myostimulator

19/3,K/3 (Item 2 from file: 2)
DIALOG(R)File 2:INSPEC
(c) 2003 Institution of Electrical Engineers. All rts. reserv.

04190236 INSPEC Abstract Number: B9208-1265B-072, C9208-5210B-020
Title: The technology of 'Device Fitters'
Author(s): Tiso, A.
Journal: Elettronica Oggi no.138 p.67-8, 70, 72, 74, 76, 78
Publication Date: 15 April 1992 Country of Publication: Italy
CODEN: ELOGDA ISSN: 0391-6391
Language: Italian
Subfile: B C

Abstract: At one time it was possible to adapt logic designs to *programmable* logic *devices* manually. However, the growing complexity of PLDs led to the development in the mid-1980s...

... integrated in it are claimed to satisfy five basic criteria. To demonstrate the advantages of *intelligent* *Device* Fitters, examples are

presented of their application to four different complex devices: the Altera EP1800...

...Identifiers: *programmable* logic *devices*; ...

...*intelligent* *Device* Fitters

19/3,K/4 (Item 3 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2003 Institution of Electrical Engineers. All rts. reserv.

03442213 INSPEC Abstract Number: C89055783

Title: Bitbus is here now, but user awareness varies greatly

Author(s): Bartos, F.J.

Journal: Control Engineering vol.36, no.4 p.84-7

Publication Date: April 1989 Country of Publication: USA

CODEN: CENGAX ISSN: 0010-8049

Language: English

Subfile: C

...Abstract: benefits. Its basic purpose is the high-speed transfer of short control messages among numerous *programmable* *devices* or *intelligent* nodes (up to 250). Nodes-one of which becomes the master-are serially connected in...

...Identifiers: numerous *programmable* *devices*;

19/3,K/5 (Item 4 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2003 Institution of Electrical Engineers. All rts. reserv.

03221074 INSPEC Abstract Number: C88058053

Title: Bitbus finds a niche in communication for control

Author(s): Bartos, F.J.

Journal: Control Engineering vol.35, no.5 p.90-3

Publication Date: May 1988 Country of Publication: USA

CODEN: CENGAX ISSN: 0010-8049

Language: English

Subfile: C

...Abstract: by Intel Corp. (Hillsboro, Ore.) in 1984 as a low-cost method for connecting distributed *intelligent* *devices* to a central host. Intel's 8044 microcontroller is the hardware element at the heart...

... at the process-machine level, below the level of MAP. It allows up to 250 *programmable* *devices* to be distributed along a twisted wire pair that can extend up to 13.2...

...Identifiers: distributed *intelligent* *devices*;

19/3,K/6 (Item 5 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2003 Institution of Electrical Engineers. All rts. reserv.

03198066 INSPEC Abstract Number: B88050152, C88045675

Title: Application of EEPROMs in mini and micro computers

Author(s): Chiao, S.H.; Strasilla, U.; Chhor, K.S.

Author Affiliation: Dept. of Electr. Eng., Sch. of Eng., San Jose State Univ., CA, USA

Conference Title: Proceedings of the ISMM Symposium Mini and Microcomputers and their Applications - MIMI '87 p.172-4

Editor(s): Hamza, M.H.
Publisher: Acta Press, Anaheim, CA, USA
Publication Date: 1987 Country of Publication: USA 203 pp.
ISBN: 0 88986 124 2
Conference Sponsor: Int. Soc. Mini & Microcomput
Conference Date: 29 June-1 July 1987 Conference Location: Lugano,
Switzerland
Language: English
Subfile: B C

...Abstract: in-system reprogrammability. Some specific applications of
EEPROMs in the areas of microprocessor, microcomputer, microcontroller,
programmable logic *devices* and *smart* *cards* are discussed.

...Identifiers: *programmable* logic *devices*; ...
...*smart* *cards*

19/3,K/7 (Item 6 from file: 2)
DIALOG(R)File 2:INSPEC
(c) 2003 Institution of Electrical Engineers. All rts. reserv.

03159288 INSPEC Abstract Number: D88001947
Title: Market-driven *intelligent* POS *devices* enter 2nd generation
Author(s): Iovacchini, A.
Journal: Bank Systems & Equipment vol.25, no.3 p.73-4
Publication Date: March 1988 Country of Publication: USA
CODEN: BSEQD6 ISSN: 0146-0900
Language: English
Subfile: D

Title: Market-driven *intelligent* POS *devices* enter 2nd generation
Abstract: Retailers are demanding second generation POS *terminals*. They
must be *programmable* to meet specialized requirements and accommodate
changes. These devices meet the specifications of several different...
Identifiers: *intelligent* POS *devices*;

19/3,K/8 (Item 7 from file: 2)
DIALOG(R)File 2:INSPEC
(c) 2003 Institution of Electrical Engineers. All rts. reserv.

02586144 INSPEC Abstract Number: C86007429
Title: Introduction to *programmable* and *intelligent* *devices*
Author(s): Leskiewicz, H.J.
Author Affiliation: Inst. of Ind. Automatic Control, Warsaw Tech. Univ.,
Poland
Conference Title: Bridge Between Control Science and Technology.
Proceedings of the Ninth Triennial World Congress of IFAC p.2821-2 vol.5
Editor(s): Gertler, J.; Keviczky, L.
Publisher: Pergamon Press, Oxford, UK
Publication Date: 1985 Country of Publication: UK 6 vol.
(xiv+xiii+xiv+xiv+xiv+xiv+3526) pp.
ISBN: 0 08 031666 2
Conference Sponsor: IFAC; IMACS; IFIP; IFORS; IMEKO; UNESCO; UNIDO
Conference Date: 2-6 July 1984 Conference Location: Budapest, Hungary
Language: English
Subfile: C

Title: Introduction to *programmable* and *intelligent* *devices*
Abstract: An attempt is made to define the meaning of *intelligent*
devices by comparison with *programmable* *devices*. A simple

classification of *programmable* and *intelligent* *devices* is proposed as well as the definition and classification of *intelligent* *devices* with the ability to learn.

...Identifiers: *intelligent* *devices*;

...*programmable* *devices*

19/3,K/9 (Item 8 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2003 Institution of Electrical Engineers. All rts. reserv.

02145022 INSPEC Abstract Number: B83060269

Title: IC relays: a new generation of intelligent relays

Author(s): Hayase, M.; Ohara, S.

Author Affiliation: Matsushita Electric Works Ltd., Osaka, Japan

Journal: JEE (Journal of Electronic Engineering) vol.20, no.199 p. 56-9

Publication Date: July 1983 Country of Publication: Japan

CODEN: JEENDL ISSN: 0385-4507

Language: English

Subfile: B

...Abstract: developed by the Matsushita Electric Works, displays superior characteristics in combination with a variety of *intelligent* system *devices*. In recent years, *programmable* ICs have rapidly come into widespread use in electronic circuit design, eliminating the need to ...

19/3,K/10 (Item 9 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2003 Institution of Electrical Engineers. All rts. reserv.

02125497 INSPEC Abstract Number: C83038981

Title: *Programmable* portable *terminals* -the ultimate link in distributive data processing

Author(s): Zachar, J.E.

Author Affiliation: Norand Corp., Cedar Rapids, IA, USA

Conference Title: Wescon/80 Conference Record p.25-4/1-6

Publisher: Electron. Conventions, El Segundo, CA, USA

Publication Date: 1980 Country of Publication: USA 964 pp.

Conference Date: 16-18 Sept. 1980 Conference Location: Anaheim, CA, USA

Language: English

Subfile: C

Title: *Programmable* portable *terminals* -the ultimate link in distributive data processing

...Abstract: detailed analysis of distributive data processing. It is hoped that by conveying the potential of *intelligent* *devices* that function where the action is, the perceived limits of distributive data processing, as we...

...Identifiers: *programmable* portable *terminals*;

19/3,K/11 (Item 10 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2003 Institution of Electrical Engineers. All rts. reserv.

01880535 INSPEC Abstract Number: B82037077, C82027809

Title: Local network approach increases capabilities of small business users

Author(s): Heidrich, K.D.
Author Affiliation: Prolink Corp., Boulder, CO, USA
Journal: Telephony vol.201, no.24 p.30-2
Publication Date: 7 Dec. 1981 Country of Publication: USA
CODEN: TLPNAS ISSN: 0040-2656
Language: English
Subfile: B C

...Abstract: approach, using a loop configuration. The loop, known as Proloop, connects the system's various *intelligent*, *programmable* *devices*, which include workstations, telephone control units (PCBX), and resource management units, which control shared file...

19/3,K/12 (Item 11 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2003 Institution of Electrical Engineers. All rts. reserv.

01628784 INSPEC Abstract Number: C81004798

Title: Special I/O ports for the outside-world interface

Author(s): Peckett, D.
Journal: Practical Computing vol.3, no.12 p.98-102
Publication Date: Dec. 1980 Country of Publication: UK
CODEN: PRCODZ ISSN: 0141-5433
Language: English
Subfile: C

...Abstract: special I/O ports. To give that capability, the chip builders also supply peripheral chips-*programmable*, *intelligent*, *devices*. Those chips are available in many different forms, but the most widely-used types provide...

19/3,K/13 (Item 12 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2003 Institution of Electrical Engineers. All rts. reserv.

01489217 INSPEC Abstract Number: C80012509

Title: The array processor as an intelligent simulation co-processor

Author(s): Alexander, P.
Author Affiliation: CSP Inc., Burlington, MA, USA
Conference Title: 1979 SCSC Summer Computer Simulation Conference p. 963-7
Publisher: AFIPS, Montvale, NJ, USA
Publication Date: 1979 Country of Publication: USA xx+980 pp.
Conference Sponsor: AGU; AIAA; ISA; et al
Conference Date: 16-18 July 1979 Conference Location: Toronto, Ont., Canada
Language: English
Subfile: C

Abstract: Describes the use of array processors as high speed *intelligent* peripheral *devices* for a minicomputer based simulation system. The Macro Arithmetic processor (MAP) is presented as an...

... given. The internal multiprocessor structure of MAP is highlighted, and the way in which these *programmable* *units* interact is discussed. An overview of simulation applications complete the paper.

19/3,K/14 (Item 13 from file: 2)
DIALOG(R)File 2:INSPEC
(c) 2003 Institution of Electrical Engineers. All rts. reserv.

01050841 INSPEC Abstract Number: C77010723

Title: ***Intelligent* data storage *device* functions as *programmable* communication systems**

Journal: Computer Design vol.15, no.12 p.130-1
Publication Date: Dec. 1976 Country of Publication: USA
CODEN: CMPDAM ISSN: 0010-4566
Language: English
Subfile: C

Title: ***Intelligent* data storage *device* functions as *programmable* communication systems**

Abstract: Data collection, text editing and *programmable* communications with other *devices* are prime capabilities of the S-76 communications and memory system. The standalone, *intelligent* data storage *device* , introduced by International Teleprocessing Systems Inc., is a complete microcomputer system with 8080A microprocessor, single...

...Identifiers: *intelligent* data storage *device*;

19/3,K/15 (Item 1 from file: 99)
DIALOG(R)File 99:Wilson Appl. Sci & Tech Abs
(c) 2003 The HW Wilson Co. All rts. reserv.

1203098 H.W. WILSON RECORD NUMBER: BAST94071761

Broader fieldbus standards will improve system functionality

AUGMENTED TITLE: combined ISPF/WorldFIP North America standardization effort called Fieldbus Foundation

Pierson, Lynda L;

Control Engineering v. 41 (Nov. '94) p. 58-9

DOCUMENT TYPE: Feature Article ISSN: 0010-8049

ABSTRACT: The present state of the *intelligent* fieldbus *device* is reviewed. The particular benefits of fieldbus, as stated by the combined ISPF/WorldFIP North...

...effort called the Fieldbus Foundation, will have an enormous effect on the interoperability of field *devices* and *programmable* logic controllers. In the case of field device interoperability, substitution with full integration permits a...

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24/3,k/all

24/3,K/1 (Item 1 from file: 2)
DIALOG(R)File 2:INSPEC
(c) 2003 Institution of Electrical Engineers. All rts. reserv.

04225041 INSPEC Abstract Number: B9210-6430-015, C9210-7410F-016
Title: The BBC Select decoder
Author(s): Saini, J.S.
Conference Title: IBC 1992. International Broadcasting Convention. (Conf. Publ. No.358) p.410-13
Publisher: IEE, London, UK
Publication Date: 1992 Country of Publication: UK xvi+576 pp.
ISBN: 0 85296 547 8
Conference Sponsor: IEEE; IEE; Int. Assoc. Broadcasting Manuf.; Royal Telev. Soc.; SMPTE
Conference Date: 3-7 July 1992 Conference Location: Amsterdam, Netherlands
Language: English
Subfile: B C

...Abstract: and is called BBC Select. The system is based on the VideoCrypt philosophy using a *smart* *card* based detachable conditional access system. The three new components to add to a typical head-end installation to support the BBC *Select* *service* are the subscriber management system which handles all the customer related data, a security *computer* which performs the encryption of the transmitted data, and finally the encoder which performs the...

... carried out in a specially developed ASIC and the decryption being carried out by a *smart* *card*.

...Identifiers: *Select* *service*; ...

...security *computer*; ...

...*smart* *card*

24/3,K/2 (Item 2 from file: 2)
DIALOG(R)File 2:INSPEC
(c) 2003 Institution of Electrical Engineers. All rts. reserv.

03552331 INSPEC Abstract Number: D90000620
Title: CCTV: recording in a new age
Author(s): Pappageorge, T.S.
Author Affiliation: Gyyr Div. of Odetics, Anaheim, CA, USA
Journal: Security Management vol.33, no.11 p.79-80, 84
Publication Date: Nov. 1989 Country of Publication: USA
CODEN: SECME6 ISSN: 0145-9406
Language: English
Subfile: D

...Abstract: television (CCTV) tool that records on tape what the camera sees. It is now an *intelligent*, programmable electronic *device* that can communicate with electronic cash registers (ECRs), automatic teller machines (ATMs), and other digital devices. The recorder gathers data from such devices, reads the information, *selects* *items* of interest to the user, and overlays the resulting text onto the picture taken by...

... 232 port. The RS-232 port is the most commonly used telecommunications interface in the *computer* industry.

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(c) 2003, EBSCO Pub.
File 474:New York Times Abs 1969-2003/Nov 19
(c) 2003 The New York Times
File 475:Wall Street Journal Abs 1973-2003/Nov 19
(c) 2003 The New York Times
File 99:Wilson Appl. Sci & Tech Abs 1983-2003/Oct
(c) 2003 The HW Wilson Co.

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Set	Items	Description
S1	10579	SMART()CARD? ? OR SMARTCARD? ?
S2	13535	(INTELLIGENT OR SMART) (3N) (CARD? OR PASS? OR DEVICE?) OR - SMARTPASS? S (INTELLIGENT OR SMART) (3N) (MICROCHIP OR MICRO()C- HIP OR (IC OR INTEGRATED) ()CIRCUIT? OR CHIP) ()CARD? OR CHIPCA- RD
S3	6037	(PROGRAMMABLE) (3N) (UNIT OR DEVICE? OR TERMINAL? OR KIOSK? OR UNITS)
S4	1064	MONDEX OR (SMART OR ELECTRONIC?) (3N) (PURSE? ? OR WALLET?)
S5	30490	(SELECT? OR CHOOS? OR PICK?) (3N) (FUNCTIONS OR OPTIONS OR I- TEM OR ITEMS? OR ACTIVITIES OR TASKS OR SERVICES OR SERVICE OR ACTIVITY OR AMUSEMENT)
S6	1684	(SELECTIVE?) (3N) (ACTIVATION?)
S7	654	(TIMER? OR TIMED) (3N) (EVENT OR MOVIE OR ACTIVITY OR SERVIC- E)
S8	7693	TIMER? ?
S9	5426	(MONEY OR CASH OR MONETARY) (3N) (WORTH OR AMOUNT)
S10	8534	(DECREAS? OR DEDUCT?) (3N) (PAYMENTS OR COST OR COSTS OR MON- EY OR MONIES OR CASH)
S11	2251723	COMPUTER? OR PC OR INTERNET OR WEBBASED OR WEB()BASED
S12	397922	AUTHORI? OR APPROVE? OR APPROVAL?
S13	38	S3 AND S8
S14	0	S13 AND (S1 OR S2 OR S4)
S15	28	S3 AND (S1 OR S2 OR S4)
S16	3	S15 AND (S5 OR S6 OR S7 OR S10)
S17	25	S15 NOT S16
S18	10	S17/1997:2003
S19	15	S17 NOT S18
S20	0	S6 AND (S1 OR S2 OR S4) AND S3
S21	0	S11 AND (S1 OR S2 OR S4) AND S5 AND (S9 OR S10)
S22	10	S11 AND (S1 OR S2 OR S4) AND S5
S23	8	S22/1997:2003
S24	2	S22 NOT S23
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(c) 2003, EBSCO Pub.
File 474:New York Times Abs 1969-2003/Nov 19
(c) 2003 The New York Times
File 475:Wall Street Journal Abs 1973-2003/Nov 19
(c) 2003 The New York Times
File 99:Wilson Appl. Sci & Tech Abs 1983-2003/Oct
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S1	10579	SMART()CARD? ? OR SMARTCARD? ?
S2	13535	(INTELLIGENT OR SMART) (3N) (CARD? OR PASS? OR DEVICE?) OR - SMARTPASS? S (INTELLIGENT OR SMART) (3N) (MICROCHIP OR MICRO()C- HIP OR (IC OR INTEGRATED) ()CIRCUIT? OR CHIP) ()CARD? OR CHIPCA- RD
S3	6037	(PROGRAMMABLE) (3N) (UNIT OR DEVICE? OR TERMINAL? OR KIOSK? OR UNITS)
S4	1064	MONDEX OR (SMART OR ELECTRONIC?) (3N) (PURSE? ? OR WALLET?)
S5	30490	(SELECT? OR CHOOS? OR PICK?) (3N) (FUNCTIONS OR OPTIONS OR I- TEM OR ITEMS? OR ACTIVITIES OR TASKS OR SERVICES OR SERVICE OR ACTIVITY OR AMUSEMENT)
S6	1684	(SELECTIVE?) (3N) (ACTIVATION?)
S7	654	(TIMER? OR TIMED) (3N) (EVENT OR MOVIE OR ACTIVITY OR SERVIC- E)
S8	7693	TIMER? ?
S9	5426	(MONEY OR CASH OR MONETARY) (3N) (WORTH OR AMOUNT)
S10	8534	(DECREAS? OR DEDUCT?) (3N) (PAYMENTS OR COST OR COSTS OR MON- EY OR MONIES OR CASH)
S11	2251723	COMPUTER? OR PC OR INTERNET OR WEBBASED OR WEB()BASED
S12	397922	AUTHORI? OR APPROVE? OR APPROVAL?
S13	38	S3 AND S8
S14	0	S13 AND (S1 OR S2 OR S4)
S15	28	S3 AND (S1 OR S2 OR S4)
S16	3	S15 AND (S5 OR S6 OR S7 OR S10)
S17	25	S15 NOT S16
S18	10	S17/1997:2003
S19	15	S17 NOT S18
S20	0	S6 AND (S1 OR S2 OR S4) AND S3
S21	0	S11 AND (S1 OR S2 OR S4) AND S5 AND (S9 OR S10)
S22	10	S11 AND (S1 OR S2 OR S4) AND S5
S23	8	S22/1997:2003
S24	2	S22 NOT S23
S25	4	S3 AND (S1 OR S4)
S26	3	S25/1997:2003
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26/7/all

26/7/1 (Item 1 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2003 Institution of Electrical Engineers. All rts. reserv.

7039382 INSPEC Abstract Number: C2001-10-7120-080

Title: E-commerce applications of *smart* *cards*

Author(s): M'Raihi, D.; Moti Yung

Author Affiliation: Gemplus USA, Redwood City, CA, USA

Journal: Computer Networks vol.36, no.4 p.453-72

Publisher: Elsevier,

Publication Date: 16 July 2001 Country of Publication: Netherlands

CODEN: CNETDP ISSN: 1389-1286

SICI: 1389-1286(20010716)36:4L.453:CASC;1-A

Material Identity Number: H263-2001-008

U.S. Copyright Clearance Center Code: 1389-1286/2001/\$20.00

Document Number: S1389-1286(01)00166-9

Language: English Document Type: Journal Paper (JP)

Treatment: Applications (A); Practical (P)

Abstract: *Smart* *cards* (also called chip cards or IC-cards) are portable modest computing *devices* with *programmable* data store and certain tamper-resistance capabilities. They are embedded in a plastic card that looks like a traditional magnetic stripe credit-card. We review the state of the art of e-commerce applications of *smart* *cards*. (19 Refs)

Subfile: C

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26/7/2 (Item 2 from file: 2)

DIALOG(R)File 2:INSPEC

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5683546 INSPEC Abstract Number: C9710-7430-001

Title: The GENETIX software genomes

Author(s): Hodson, B.A.

Author Affiliation: Genetix Software Inc., Ottawa, Ont., Canada

Conference Title: 1996 Rochester Forth Conference Open Systems p.19-25

Publisher: Inst. Applied Forth Res, Rochester, NY, USA

Publication Date: 1997 Country of Publication: USA 118 pp.

ISBN: 0 914593 16 1 Material Identity Number: XX96-01485

Conference Title: Proceedings of 16th Annual 1996 Rochester Forth Conference on Open Systems

Conference Sponsor: New Micros

Conference Date: 19-22 June 1996 Conference Location: Toronto, Ont., Canada

Language: English Document Type: Conference Paper (PA)

Treatment: Applications (A); Practical (P)

Abstract: This paper describes a virtual RISC type machine, giving an overview of the instruction set. Following this description it outlines how the virtual machine can be processed with a very small conventional machine code (about 2KB) which can be placed on any platform. No other code is ever needed, nor is any generated. A short description of the structure of this conventional code is given. Using this virtual machine a set of "building blocks" were developed simple at first but becoming more powerful (but yet simple to understand), that are now called "software genes". The paper describes several of these "software genes" and how they can be used to build a variety of useful applications at considerably less cost than with conventional code and language. Several applications are briefly described one in particular being shown through its evolution from simple to more powerful "software genes". The paper then describes how the 'software gene'

approach lends itself to the development of embedded systems and can be used as an operating system for such systems, as well as for *smart* *cards*, field *programmable* *devices* etc. Its potential use for parallel processing, illustrated with a T9000 transputer card, concludes the paper.
(0 Refs)

Subfile: C

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26/7/3 (Item 1 from file: 144)

DIALOG(R)File 144:Pascal

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15220039 PASCAL No.: 01-0386573

E-commerce applications of *smart* *cards*

M RAIHI D; YUNG M

CertCo Inc., New York, NY 10004, United States

Journal: Computer Networks, *2001*, 36 (4) 453-472

ISSN: 1389-1286 Availability: INIST-17220

No. of Refs.: 19 Refs.

Document Type: P (Serial) ; A (Analytic)

Country of Publication: Netherlands

Language: English

Smart *cards* (also called chip cards or IC-cards) are portable modest computing *devices* with *programmable* data store and certain tamper-resistance capabilities. They are embedded in a plastic card that looks like a traditional magnetic stripe credit-card. We review the state of the art of e-commerce applications of *smart* *cards*. (c) 2001 Elsevier Science B.V.

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File 139:EconLit 1969-2003/Nov
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Set	Items	Description
S1	15	SMART()CARD? ? OR SMARTCARD? ?
S2	16	(INTELLIGENT OR SMART) (3N) (CARD? OR PASS? OR DEVICE?) OR - SMARTPASS? S (INTELLIGENT OR SMART) (3N) (MICROCHIP OR MICRO())C- HIP OR (IC OR INTEGRATED) ()CIRCUIT? OR CHIP) ()CARD? OR CHIPCA- RD
S3	0	(PROGRAMMABLE) (3N) (UNIT OR DEVICE? OR TERMINAL? OR KIOSK? OR UNITS)
S4	6	MONDEX OR (SMART OR ELECTRONIC?) (3N) (PURSE? ? OR WALLET?)
S5	323	(SELECT? OR CHOOS? OR PICK?) (3N) (FUNCTIONS OR OPTIONS OR I- TEM OR ITEMS? OR ACTIVITIES OR TASKS OR SERVICES OR SERVICE OR ACTIVITY OR AMUSEMENT)
S6	0	(SELECTIVE?) (3N) (ACTIVATION?)
S7	1	(TIMER? OR TIMED) (3N) (EVENT OR MOVIE OR ACTIVITY OR SERVIC- E)
S8	58	TIMER? ?
S9	162	(MONEY OR CASH OR MONETARY) (3N) (WORTH OR AMOUNT)
S10	462	(DECREAS? OR DEDUCT?) (3N) (PAYMENTS OR COST OR COSTS OR MON- EY OR MONIES OR CASH)
S11	8977	COMPUTER? OR PC OR INTERNET OR WEBBASED OR WEB()BASED
S12	5360	AUTHORI? OR APPROVE? OR APPROVAL?
S13	0	S3 AND S8
S14	0	S13 AND (S1 OR S2 OR S4)
S15	0	S3 AND (S1 OR S2 OR S4)
S16	0	S15 AND (S5 OR S6 OR S7 OR S10)
S17	0	S15 NOT S16
S18	0	S17/1997:2003
S19	0	S17 NOT S18
S20	0	S6 AND (S1 OR S2 OR S4) AND S3
S21	0	S11 AND (S1 OR S2 OR S4) AND S5 AND (S9 OR S10)
S22	0	S11 AND (S1 OR S2 OR S4) AND S5
S23	0	S22/1997:2003
S24	0	S22 NOT S23
S25	0	S3 AND (S1 OR S4)
S26	0	S25/1997:2003
?		

show files
File 625:American Banker Publications 1981-2003/Nov 20
(c) 2003 American Banker
File 268:Banking Info Source 1981-2003/Nov W2
(c) 2003 ProQuest Info&Learning
File 626:Bond Buyer Full Text 1981-2003/Nov 20
(c) 2003 Bond Buyer
? ds

Set	Items	Description
S1	6475	SMART()CARD? ? OR SMARTCARD? ?
S2	6616	(INTELLIGENT OR SMART) (3N) (CARD? OR PASS? OR DEVICE?) OR - SMARTPASS? S (INTELLIGENT OR SMART) (3N) (MICROCHIP OR MICRO()C- HIP OR (IC OR INTEGRATED) ()CIRCUIT? OR CHIP) ()CARD? OR CHIPCA- RD
S3	22	(PROGRAMMABLE) (3N) (UNIT OR DEVICE? OR TERMINAL? OR KIOSK? . OR UNITS)
S4	1653	MONDEX OR (SMART OR ELECTRONIC?) (3N) (PURSE? ? OR WALLET?)
S5	3710	(SELECT? OR CHOOS? OR PICK?) (3N) (FUNCTIONS OR OPTIONS OR I- TEM OR ITEMS? OR ACTIVITIES OR TASKS OR SERVICES OR SERVICE OR ACTIVITY OR AMUSEMENT)
S6	1	(SELECTIVE?) (3N) (ACTIVATION?)
S7	15	(TIMER? OR TIMED) (3N) (EVENT OR MOVIE OR ACTIVITY OR SERVIC- E)
S8	605	TIMER? ?
S9	5349	(MONEY OR CASH OR MONETARY) (3N) (WORTH OR AMOUNT)
S10	2811	(DECREAS? OR DEDUCT?) (3N) (PAYMENTS OR COST OR COSTS OR MON- EY OR MONIES OR CASH)
S11	82158	COMPUTER? OR PC OR INTERNET OR WEBBASED OR WEB()BASED
S12	193624	AUTHORI? OR APPROVE? OR APPROVAL?
S13	10	(S1 OR S2 OR S4) AND (S7 OR S8)
S14	4	S13/1997:2003
S15	6	S13 NOT S14
S16	3	(S3 OR S11) (S) (S1 OR S2 OR S4) (S) S5
S17	0	(S9 OR S10) AND S16
?		

15/3,K/1 (Item 1 from file: 625)
DIALOG(R)File 625:American Banker Publications
(c) 2003 American Banker. All rts. reserv.

0061621

Clinics to Use *Smart* *Cards* to Track Obesity
American Banker - May 20, 1987; Pg. 12; Vol. 152, No. 98
WORD COUNT: 364

BYLINE:
By DAVID O. TYSON

Clinics to Use *Smart* *Cards* to Track Obesity

TEXT:

SmartCard International Inc. has teamed with two Houston institutions to test the new UltiCard as a...

...track food intake, exercise, and behavior of overweight patients.

The U.S. licensee of French *smart* *card* patents held a joint news conference here last week to announce the field trials it...

...as stress and boredom.

In this medical test, participants enter no financial information. But the *smart* *card* is expected to have wide application in automating financial transactions. *SmartCard* International last month delivered 100 prototypes of the UltiCard to Visa USA for demonstrations and tests.

Arlen R. Lessin, president of *SmartCard* International, told the news conference that his company at the end of the week was filing major patent applications on all enhancements it has made to the *smart* *card*.

Since the *cards* have embedded *timers*, each *event* that Houston test participants enter is date- and time-recorded automatically. When patients bring in...

...to broaden the Houston program to include more than 200 patients. Both the Institute and *SmartCard* International have applications pending for grants from the National Institutes of Health.

COMPANY NAMES (DIALOG GENERATED): Baylor College of Medicine ; Methodist Hospital 's Institute for Preventive Medicine ; *SmartCard* International Inc ; Visa USA

15/3,K/2 (Item 2 from file: 625)
DIALOG(R)File 625:American Banker Publications
(c) 2003 American Banker. All rts. reserv.

0060633

REPORTER'S NOTES: 1987 EFT Association Expo Marked by Tempered Optimism
American Banker - April 9, 1987; Pg. 13; Vol. 152, No. 69
WORD COUNT: 1,618

BYLINE:
By JEFFREY KUTLER

TEXT:

15/3,K/3 (Item 3 from file: 625)
DIALOG(R)File 625:American Banker Publications
(c) 2003 American Banker. All rts. reserv.

0050018

**Taking It to the Limit: 'How to Get 102 Visa and MasterCard' And Raise
\$50,000 for Those Tempting Business Opportunities**

American Banker - March 3, 1986; Pg. 24; Vol. 151, No. 42

WORD COUNT: 726

BYLINE:

By A. JOSEPH NEWMAN JR.

TEXT:

...down by sticking to no-fee, low-interest-rate
cards.

The "card war" between old-*timers* such as Visa and MasterCard and
newcomer

Discover is a bonanza for practitioners of the...

...operation.

Tips for Overcoming 'Obstacles'

Here is a sampling of other tips offered to "honest, *smart*, and
aggressive"

card seekers who want to overcome the "obstacles" and get all those
cards:

-Open a "stupid...

15/3,K/4 (Item 4 from file: 625)
DIALOG(R)File 625:American Banker Publications
(c) 2003 American Banker. All rts. reserv.

0014182

Outsiders Invade Financial Transactions Market

American Banker - February 7, 1983, Monday; Pg. 11

WORD COUNT: 1,361

BYLINE:

SUSAN K. SKINNER And IVAN L. WOLFF; Ms. Skinner is an analyst who follows
banks and leasing; Mr. Wolff is a telecommunications analyst. Both are with
Donaldson, Lufkin & Jenrette, New York.

TEXT:

...are an additional parameter. Choices include automatic dialers; cordless
speakerphones; and combinations with clocks, radios, *timers*, and
answering machines.

As if that were not enough, the choices in local and long...

...to some computer-literate people today.

Eventually, much of our environment can be filtered by *intelligent*
devices programmed to our own tastes. Beatles, yes, Billy Joel, no;
information on roses, but not...

15/3,K/5 (Item 1 from file: 268)
DIALOG(R)File 268:Banking Info Source
(c) 2003 ProQuest Info&Learning. All rts. reserv.

00258182 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Strategic implications of the changing consumer marketplace

Karen Lehman EIC 3600 20-Nov-03

Nagel, Tracy L
Retail Banking Digest, v15, n1, p4-23, Jan/Feb 1995 DOCUMENT TYPE:
Newsletter Article ARTICLE TYPE: Feature LANGUAGE: English
RECORD TYPE: Abstract Fulltext
WORD COUNT: 08192

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... cards or pay off outstandings monthly.

Millennials will also be more comfortable with debit and *smart*
card options. In-person interaction will be replaced by electronic
capabilities. More than any earlier generation...diversity--Targeted
products to meet unique, culturally driven, financial demands.

Single-parent families--Focus on *service* delivery considering
timed and place convenience demands.

Consumers marrying and having families later in life--Information and
advisory...

15/3,K/6 (Item 2 from file: 268)
DIALOG(R)File 268:Banking Info Source
(c) 2003 ProQuest Info&Learning. All rts. reserv.

00253881 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Re-engineering the branch network

Stahl, David

Savings & Community Banker, v4, n1, p26-32, Jan 1995 DOCUMENT TYPE:
Journal Article LANGUAGE: English RECORD TYPE: Abstract Fulltext
WORD COUNT: 03745

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... further increase convenience. Institutions say they will reach
customers where they live, work and shop.

Smart *cards*, popular in Europe, will debut in the United States
this year in limited tests. The...

...which network their ATM is on) to withdraw money. He also predicts that
chip-implanted *smart* *cards* will gain wide acceptance in a relatively
short time--five to 10 years.

Integration of...others. However, by studying the teller workflow
closely, the institution hopes to better deploy part-*timers* to meet
demand during peak periods among its branch offices.

At the other extreme is...

?

16/3,K/1 (Item 1 from file: 268)
DIALOG(R)File 268:Banking Info Source
(c) 2003 ProQuest Info&Learning. All rts. reserv.

00411757 101701544 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Welfare agencies seek benefits from chip cards

Bowen, Cathy

Card Technology, v7, n1, p40-44, Jan 2002 DOCUMENT TYPE: Periodical;

Feature LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 2,461

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... cardholders can access the City Council's services and choose applications to put on their *cards*.

By using a *smart* *card* that accommodates multiple programs, various agencies can share the costs of smart cards, terminals and integration with *computer* systems.

Valuable Data

In addition, the data built up from card transactions can tell providers...

16/3,K/2 (Item 2 from file: 268)
DIALOG(R)File 268:Banking Info Source
(c) 2003 ProQuest Info&Learning. All rts. reserv.

00369309 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Pinning its hopes on the Internet

Green, Jeffrey

Credit Card Management, v12, n5, p14-16, Aug 1999 DOCUMENT TYPE: Journal

Article LANGUAGE: English RECORD TYPE: Abstract Fulltext

WORD COUNT: 01525

(USE FORMAT 7 OR 9 FOR FULLTEXT)

Headnote:Online debit is rare indeed on the *Internet*, but the debit card industry hopes some newly introduced technology will make PINs viable for electronic commerce.The concept of shopping on the *Internet* seems simple enough. Just visit a merchant's World Wide Web site, *pick* out the *items* you want to buy, and provide your credit or offline debit card information in the...

...doorstep.For merchants, however, online commerce is both a blessing and a curse. While the *Internet* is helping to drive sales, merchants pay more to accept the card-not-present transactions...

...card fraud.Some relief may be on the way. Though hardware and software to enable *Internet* shoppers to use personal identification number-protected online debit cards have been available for several...

...less risky and less expensive payment alternatives, efforts to bring online debit transactions to the *Internet* are escalating.While regional electronic funds transfer networks and other organizations are exploring ways for...

...may not want to use online debit cards or attach more hardware to their personal *computers*, experts say.Such concerns, however, are not thwarting vendor efforts to link online debit terminals...

...issuers, will play supportive roles in the company's endeavor. Card-not-present interchange for *Internet* transactions is considerably

higher than card-present interchange applied to in-store purchases, and merchants...

...about 2 cents to 15 cents per transaction. In InnoVronics' view, interest in its iKey *PC* payment device will escalate as more *Internet* merchants enable themselves to accept PIN-- based transactions. "Once we get the infrastructure up and...

...online debit cards also opens the doors to individuals who today cannot shop on the *Internet* because they do not have an offline debit or credit card, which do not require...

...just by adding these consumers to the mix. "InnoVronics' iKey terminal, which looks like a *computer* mouse but is about twice the size, includes a card reader for both online debit and credit/offline debit card transactions, a PIN pad, and *smart* *card* slot. Participating merchants will be able to download software that enables them to place an...

...enter their PIN. The information is encrypted within the device before any data reach the *PC*, utilizing the same banking encryption standards used in automated teller machines. The transaction is routed...

...early June operates differently. The UTM Machine is a card reader that fits into any *PC* floppy drive. Once a debit or credit card is inserted into the device, a switch *PC* automatically connects via modem to the UTM server. To begin a transaction, the cardholder must enter a password using the *computer* keyboard. Encryption software protects against PINs and other key entries from being compromised, says Robert Lee, UTM president. Once the password is recognized, a digital certificate held in the *device*'s *smart* chip authenticates the user with UTM. The user's *computer* is then connected to the deployer's system, which has links to the debit and...

...the key players to get consumers excited about putting a peripheral device on their home *computers*." (Photograph Omitted) Captioned as: Latkoovski: "There are millions of Americans who have a debit card...

...networks are grappling with such issues. "It is difficult to secure a PIN on the *Internet*," notes Paul Turgeon, senior vice president for the Advanced Products Group at Woodcliff Lake, N...

...a keyboard cannot be considered secure. "Even devices that encrypt PINs before they reach the *computer* are problematic, he adds. "One of the things networks require in the physical world is...

...to quickly come up with alternatives to enable online debit cardholders to shop on the *Internet*. The Network Executive Council, which is composed of executives from the nation's leading point-of-- sale networks, has formed a subcommittee to find ways to process *Internet* transactions using the existing debit infrastructure.

16/3,K/3 (Item 3 from file: 268)
DIALOG(R) File 268:Banking Info Source
(c) 2003 ProQuest Info&Learning. All rts. reserv.

00337975 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Technotes

Talmor, Sharona

Banker, v148, n868, p74-75, Jun 1998 DOCUMENT TYPE: Journal Article

LANGUAGE: English RECORD TYPE: Abstract Fulltext

WORD COUNT: 01403

ABSTRACT: *Selected* banking technology news *items* are presented, including: 1. Barclays Bank has launched a new home banking service, called Barclays...

...to minimize the risks associated with foreign exchange. 3. American Express is set to use *Mondex* International's *smart* *card* technology Multos for its own multifunctional *smart* *cards*. 4. Visa International has introduced its own multi-functional *smart* *card* technology, Visa Open Platform, based on Sun Microsystems' Java. 5. The Financial Times has teamed with Excite and Intuit to offer UK *Internet* users free access to personal finance information and tools. ...
?

show files
 File 610:Business Wire 1999-2003/Nov 20
 (c) 2003 Business Wire.
 File 810:Business Wire 1986-1999/Feb 28
 (c) 1999 Business Wire
 File 476:Financial Times Fulltext 1982-2003/Nov 20
 (c) 2003 Financial Times Ltd
 File 624:McGraw-Hill Publications 1985-2003/Nov 19
 (c) 2003 McGraw-Hill Co. Inc
 File 634:San Jose Mercury Jun 1985-2003/Nov 19
 (c) 2003 San Jose Mercury News
 File 20:Dialog Global Reporter 1997-2003/Nov 20
 (c) 2003 The Dialog Corp.

? ds

Set	Items	Description
S1	47082	SMART()CARD? ? OR SMARTCARD? ?
S2	49613	(INTELLIGENT OR SMART) (3N) (CARD? OR PASS? OR DEVICE?) OR - SMARTPASS? OR (INTELLIGENT OR SMART) (3N) (MICROCHIP OR MICRO()- CHIP OR (IC OR INTEGRATED) ()CIRCUIT? OR CHIP) ()CARD? OR CHIPC- ARD
S3	6538	(PROGRAMMABLE) (3N) (UNIT OR DEVICE? OR TERMINAL? OR KIOSK? OR UNITS)
S4	5597	MONDEX OR (SMART OR ELECTRONIC?) (3N) (PURSE? ? OR WALLET?)
S5	108666	(SELECT? OR CHOOS? OR PICK?) (3N) (FUNCTIONS OR OPTIONS OR I- TEM OR ITEMS? OR ACTIVITIES OR TASKS OR SERVICES OR SERVICE OR ACTIVITY OR AMUSEMENT)
S6	91	(SELECTIV?) (3N) (ACTIVATION?)
S7	1082	(TIMER? OR TIMED) (3N) (EVENT OR MOVIE OR ACTIVITY OR SERVIC- E)
S8	39432	TIMER? ?
S9	120479	(MONEY OR CASH OR MONETARY) (3N) (WORTH OR AMOUNT)
S10	97331	(DECREAS? OR DEBIT? OR DEDUCT?) (3N) (PAYMENT? OR COST OR CO- STS OR MONEY OR MONIES OR CASH)
S11	4257106	COMPUTER? OR PC OR INTERNET OR WEBBASED OR WEB()BASED
S12	4215474	AUTHORI? OR APPROVE? OR APPROVAL?
S13	23534	PROGRAM? (3N) (UNIT OR UNITS OR DEVICE? OR TERMINAL? OR KIOS- K?)
S14	757284	TANNING OR SHOWER? OR HEAT?
S15	53	(S1 OR S2 OR S4) (S)S8
S16	0	T 15/3,K
S17	51	S15/1997:2003
S18	2	S15 NOT S17
S19	2	RD (unique items)
S20	0	S19 AND (S5 OR S6 OR S9 OR S10)
S21	0	S7(7N) (S5 OR S6) (7N) (S9 OR S10)
S22	1	S7(7N) (S5 OR S6)
S23	1	S11(7N) (S5 OR S6) (7N) (S9 OR S10)
S24	247	S8(7N)S14
S25	2	S19 NOT S20
S26	54	S14(7N) (S1 OR S2 OR S4)
S27	0	S26(S) (S9 OR S10)
S28	12013	WASHINGMACHINE? OR WASHING()MACHINE
S29	33884	WASHINGMACHINE OR WASHING()MACHINE? OR DRYER?
S30	11	S29(5N) (S1 OR S2 OR S4)
S31	10	RD (unique items)
S32	2	S31 NOT PY>1997
S33	91742	METER OR METERED
S34	74	S33(5N) (S1 OR S2 OR S4)
S35	69	S34/1997:2003
S36	5	S34 NOT S35

18/3,K/1 (Item 1 from file: 810)
DIALOG(R)File 810:Business Wire
(c) 1999 Business Wire . All rts. reserv.

0625636 BW1038

VLSI TECHNOLOGY 3: VLSI Unveils VISTA Architecture - a Complete System-Level Silicon Solution for the Exploding Digital Set-Top Box Market; Company Delivers on Its Roadmap, Providing All Necessary Technologies, Devices and Software to Enable a Super-Integrated, Single-Chip Set-Top Box

September 23, 1996

Byline: Business Editors/Computer Writers

...peripheral controller integrates a number of peripheral functions, including UARTs, a parallel port, ISO 7816 *Smart* *Card* controller, *timers*, counters and an IR blaster.

The VES2020X and VES2030 integrate a programmable PID parsing engine...

18/3,K/2 (Item 1 from file: 624)
DIALOG(R)File 624:McGraw-Hill Publications
(c) 2003 McGraw-Hill Co. Inc. All rts. reserv.

0364784

Which Multiport in the Storm?

Unix World November, 1991; Pg 83; Vol. VIII, No. 11

Journal Code: UNIX ISSN: 0739-5922

Section Heading: New Products: Point of Purchase

Word Count: 2,195 *Full text available in Formats 5, 7 and 9*

BYLINE:
Howard Baldwin

TEXT:
... board processor. He chose one from Stallion Technologies because it was priced close to non-*intelligent* *cards*. "We wanted to keep the price to a minimum," Nabours notes, "because our multiplier the...
?

22/3,K/1 (Item 1 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2003 The Dialog Corp. All rts. reserv.

19891010 (USE FORMAT 7 OR 9 FOR FULLTEXT)
The News-Gazette, Champaign-Urbana, Ill., It's Your Business Column
Debra Pressey
KRTBN KNIGHT-RIDDER TRIBUNE BUSINESS NEWS (NEWS-GAZETTE - CHAMPAIGN, ILL.)
November 19, 2001
JOURNAL CODE: KNGC LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 649

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... radio, is now offering cab rides around Champaign-Urbana and surrounding towns.

McConkey's Old *Timer*'s Taxi *service* will *pick* you up in a nine-passenger van, with the Old Timer himself at the wheel...
?

23/3,K/1 (Item 1 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2003 The Dialog Corp. All rts. reserv.

11225041 (USE FORMAT 7 OR 9 FOR FULLTEXT)

White's week: Jim White on the merits of a teen queen

GUARDIAN

May 27, 2000

JOURNAL CODE: FGDN LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 685

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... rest was accumulated from a string of endorsement deals with everyone from bra manufacturers to *internet* *service* providers.

Martina Hingis *picked* up pounds 2.1m *worth* of prize-*money* alone last year as she won seven singles titles, which compared to Kournikova's no...
?

32/3,K/1 (Item 1 from file: 810)
DIALOG(R)File 810:Business Wire
(c) 1999 Business Wire . All rts. reserv.

0560171 BW0122

**SMARTRAC: Coinless laundry makes quarters obsolete; Smartrac Card System
really makes a change in laundry industry**

February 23, 1996

Byline: Business Editors

...value. A
specially designed unit installed in the coin receptacle area of
the washer or *dryer* accepts the Smartrac(r) *smart* *card*. Instead of a
change machine, the laundry has a VTM, or Value Transfer Machine, a...

32/3,K/2 (Item 1 from file: 476)
DIALOG(R)File 476:Financial Times Fulltext
(c) 2003 Financial Times Ltd. All rts. reserv.

0008067867 BOFIODVACYFT

**Technology: Making sense of the future - George Cole on the new microchips
which convert a physical phenomenon into an electrical signal**

GEORGE COLE

Financial Times, P 12

Friday, September 15, 1995

DOCUMENT TYPE: NEWSPAPER LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT

Word Count: 918

...New types of fuzzy logic products use sensors and sophisticated computer
software to give household *devices* *intelligent* features. For example,
washing *machines* could use chemical sensors to detect the level of dirt
and residue in the water...

?

36/3,K/1 (Item 1 from file: 810)
DIALOG(R)File 810:Business Wire
(c) 1999 Business Wire . All rts. reserv.

0617179 BW1080

**PITNEY BOWES SOHO: Pitney Bowes expands focus on fast growing SOHO market;
New affordable systems will increase value of mail for small businesses**

August 23, 1996

Byline: Business Editors and Computer Writers

...family will introduce new technologies that will benefit the metered mail system. These technologies include *meter* resetting by modem, *Smartcards* and digital ink jet printing. A new electronic scale will also be displayed; and both...

36/3,K/2 (Item 2 from file: 810)
DIALOG(R)File 810:Business Wire
(c) 1999 Business Wire . All rts. reserv.

0280723 BW692

AMPHENOL: Amphenol announces cost reduction programs at annual meeting

May 22, 1992

Byline: Business Editors

...multiplexing telecommunications equipment and a chip card acceptor device to be used in conjunction with '*smart* *cards*' for gas *meter* applications in Europe."

Loeffler further stated that "market conditions have been difficult because of the..."

36/3,K/3 (Item 1 from file: 476)
DIALOG(R)File 476:Financial Times Fulltext
(c) 2003 Financial Times Ltd. All rts. reserv.

0006523199 BOCBUBBAGHFT

Technology (Worth Watching): *Smart* *card* takes charge of *meter*

DELLA BRADSHAW

Financial Times, P 29

Friday, February 21, 1992

DOCUMENT TYPE: NEWSPAPER LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT

Word Count: 157

Technology (Worth Watching): *Smart* *card* takes charge of *meter*

36/3,K/4 (Item 2 from file: 476)
DIALOG(R)File 476:Financial Times Fulltext
(c) 2003 Financial Times Ltd. All rts. reserv.

0006051498 BOBIRBSAA6FT

Business and the Environment: Clocking up the miles - A road pricing system intended to relieve congestion in urban areas

RICHARD TOMKINS

Financial Times, P 16

Wednesday, September 18, 1991

DOCUMENT TYPE: NEWSPAPER LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT

Word Count: 920

...agent containing a hologram which will reveal if the bond has been broken.

Similarly, each *smartcard* will only work with the *meter* for which it is made - though several members of a family may have *smartcards* which will fit the same *meter*.

This will enable differential charging to be introduced. Meters fitted to lorries, for example, could...

36/3,K/5 (Item 3 from file: 476)

DIALOG(R)File 476:Financial Times Fulltext

(c) 2003 Financial Times Ltd. All rts. reserv.

0004516607 B08DFBTAF4FT

Technology: UK Locks Out The Cash Raiders

Financial Times, P 36

Wednesday, April 6, 1988

DOCUMENT TYPE: NEWSPAPER LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT

Word Count: 468

...s competitors are developing even more sophisticated systems. Next year GEC will test a prepayment *meter* based on the company's '*smart* *card*' - a credit *card* sized microcomputer. This works without the surface electrical contacts which can make other electronic tokens...
?

t 36/3,k/all

36/3,K/1 (Item 1 from file: 810)
DIALOG(R)File 810:Business Wire
(c) 1999 Business Wire . All rts. reserv.

0617179 BW1080

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Word Count: 468

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?